

LEO O, 1987, V84, P1374, P NATL ACAD SCI USA  
 LUO KX, 1990, V10, P5305, MOL CELL BIOL  
 MORRISON DK, 1990, V10, P2359, MOL CELL BIOL  
 MOSMANN TR, 1991, V123, P209, IMMUNOL REV  
 MOSMANN TR, 1986, V136, P2348, J IMMUNOL  
 MUNOZ E, 1990, V1, P425, CELL REGUL  
 OKEEFE SJ, 1992, V357, P692, NATURE  
 ROSOFF PM, 1987, V49, P845, CELL  
 SAMELSON LE, 1990, V87, P4358, P NATL ACAD SCI USA  
 SHAPIRO DN, 1985, V135, P2256, J IMMUNOL  
 TAIRA S, 1986, V137, P2448, J IMMUNOL  
 TAMURA T, 1992, V148, P2370, J IMMUNOL  
 UNKELESS JC, 1979, V150, P580, J EXP MED  
 VEILLETTE A, 1989, V338, P257, NATURE  
 WEISS A, 1986, V4, P593, ANNU REV IMMUNOL  
 WILLIAMS ME, 1990, V144, P1208, J IMMUNOL

? ds

Set	Items	Description
S1	27951	TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W) (2 OR 3))
S2	1228	S1 AND MITOGEN?
S3	40	S2 AND EXPAND?
S4	20	RD (unique items)
S5	0	S2 AND ANTICD?
S6	212	S1 AND CD2
S7	104	RD (unique items)

? logoff

19nov97 10:18:08 User219509 Session D697.6  
 \$3.12 0.052 Hrs File5  
 \$52.20 36 Type(s) in Format 3  
 \$1.45 1 Type(s) in Format 9  
 \$53.65 37 Types  
 \$56.77 Estimated cost File5  
 \$0.27 0.006 Hrs File6  
 \$0.27 Estimated cost File6  
 \$0.15 0.005 Hrs File10  
 \$0.15 Estimated cost File10  
 \$0.18 0.003 Hrs File12  
 \$0.18 Estimated cost File12  
 \$0.08 0.001 Hrs File42  
 \$0.08 Estimated cost File42  
 \$0.30 0.002 Hrs File43  
 \$0.30 Estimated cost File43  
 \$0.15 0.002 Hrs File40  
 \$0.15 Estimated cost File40  
 \$0.12 0.002 Hrs File41  
 \$0.12 Estimated cost File41  
 \$0.66 0.022 Hrs File50  
 \$0.66 Estimated cost File50  
 \$0.06 0.002 Hrs File68  
 \$0.06 Estimated cost File68  
 \$4.14 0.046 Hrs File73  
 \$17.50 10 Type(s) in Format 3  
 \$17.50 10 Types  
 \$21.64 Estimated cost File73  
 \$0.59 0.013 Hrs File76  
 \$13.05 9 Type(s) in Format 3  
 \$1.45 1 Type(s) in Format 9  
 \$14.50 10 Types  
 \$15.09 Estimated cost File76  
 \$0.41 0.009 Hrs File94  
 \$0.41 Estimated cost File94  
 \$0.68 0.003 Hrs File129

\$0.68	Estimated cost File129		
\$0.23	0.001 Hrs File130		
\$0.23	Estimated cost File130		
\$0.06	0.001 Hrs File140		
\$0.06	Estimated cost File140		
\$0.06	0.002 Hrs File143		
\$0.06	Estimated cost File143		
	\$3.29 0.073 Hrs File144		
	\$1.40 1 Type(s) in Format 3		
	\$1.40 1 Types		
\$4.69	Estimated cost File144		
	\$0.66 0.011 Hrs File149		
	\$15.50 10 Type(s) in Format 3		
	\$15.50 10 Types		
\$16.16	Estimated cost File149		
	\$1.14 0.038 Hrs File155		
	\$0.80 4 Type(s) in Format 3		
	\$0.80 4 Types		
\$1.94	Estimated cost File155		
	\$0.45 0.005 Hrs File158		
\$0.45	Estimated cost File158		
	\$0.06 0.001 Hrs File164		
\$0.06	Estimated cost File164		
	\$0.18 0.002 Hrs File172		
	\$2.25 1 Type(s) in Format 3		
	\$2.25 1 Types		
\$2.43	Estimated cost File172		
	\$0.60 0.004 Hrs File173		
	\$1.90 2 Type(s) in Format 3		
	\$1.90 2 Types		
\$2.50	Estimated cost File173		
	\$0.24 0.002 Hrs File187		
\$0.24	Estimated cost File187		
	\$0.15 0.001 Hrs File189		
\$0.15	Estimated cost File189		
	\$0.23 0.003 Hrs File211		
\$0.23	Estimated cost File211		
	\$0.30 0.004 Hrs File285		
\$0.30	Estimated cost File285		
	\$0.06 0.001 Hrs File286		
\$0.06	Estimated cost File286		
	\$0.18 0.002 Hrs File315		
\$0.18	Estimated cost File315		
	\$0.90 0.006 Hrs File357		
\$0.90	Estimated cost File357		
	\$0.06 0.001 Hrs File358		
\$0.06	Estimated cost File358		
	\$0.06 0.001 Hrs File370		
\$0.06	Estimated cost File370		
	\$0.22 0.003 Hrs File376		
\$0.22	Estimated cost File376		
	\$0.73 0.010 Hrs File377		
	\$0.73 1 Type(s) in Format 3		
	\$0.73 1 Types		
\$1.46	Estimated cost File377		
	\$0.00 0.000 Hrs File428		
\$0.00	Estimated cost File428		
	\$0.15 0.001 Hrs File429		
\$0.15	Estimated cost File429		
	\$4.41 0.049 Hrs File434		
	\$100.80 48 Type(s) in Format 3		
	\$2.10 1 Type(s) in Format 9		
	\$102.90 49 Types		
\$107.31	Estimated cost File434		
	\$0.15 0.001 Hrs File441		

\$0.15 Estimated cost File441  
\$0.30 0.002 Hrs File446  
\$0.30 Estimated cost File446  
\$0.30 0.002 Hrs File449  
\$0.30 Estimated cost File449  
\$0.48 0.004 Hrs File452  
\$6.00 1 Type(s) in Format 3  
\$6.00 1 Types  
\$6.48 Estimated cost File452  
\$0.24 0.002 Hrs File455  
\$0.24 Estimated cost File455  
\$0.24 0.002 Hrs File456  
\$0.24 Estimated cost File456  
\$0.06 0.001 Hrs File467  
\$0.06 Estimated cost File467  
\$0.66 0.011 Hrs File636  
\$0.66 Estimated cost File636  
\$13.95 0.064 Hrs File351  
\$2.40 1 Type(s) in Format 3  
\$2.40 1 Types  
\$16.35 Estimated cost File351  
OneSearch, 47 files, 0.500 Hrs FileOS  
\$261.24 Estimated cost this search  
\$547.20 Estimated total session cost 1.061 Hrs.  
Logoff: level 97.10.03 D 10:18:09

Trying 9158046...Open

box200> enter system id

Logging in to Dialog

DIALOG INFORMATION SERVICES  
PLEASE LOGON:

\*\*\*\*\*

IALOG Invalid account number

DIALOG INFORMATION SERVICES  
PLEASE LOGON:

\*\*\*\*\*

ENTER PASSWORD:

□v61093fe

\*\*\*\*\*

Welcome to DIALOG

Dialog level 97.10.03D

Last logoff: 12nov97 15:05:53

Logon file001 19nov97 09:15:22

ANNOUNCEMENT \*\*\*\* ANNOUNCEMENT \*\*\*\* ANNOUNCEMENT

\*\*\*New: ICONDA (International Construction Database) (File 118)

\*\*\*New: AESIS (Australia's Geoscience, Minerals, and Petroleum  
Database) (File 105)

\*\*\*New: DIALOG Direct(SM) Launched!

\*\*\*New: Art Abstracts (File 435)

\*\*\*New: Science (File 370)

\*\*\*New: Denver Post (File 387)

\*\*\*New: Las Vegas Review-Journal (File 397)

\*\*\*New: Kansas City Star (File 147)

\*\*\*New: Asia Intelligence Wire (File 619)

\*\*\*New: Euromonitor Market Research Journals (File 566)

\*\*\*New: Snapshots International Market Research (File 567)

\*\*\*New: Medical Device Register (File 167)

\*\*\*

\*\*\*Reloaded: Aquatic Sciences and Fisheries Abstracts (ASFA) (File 44)

\*\*\*Reloaded: Textile Technology Digest (File 119)

\*\*\*Reloaded: CLAIMS(R)/Reassignment & Reexamination (File 123)

\*\*\*Enhanced: "Cancer Drug News" Added to ESPICOM (File 441)

\*\*\*

MOVED / REMOVED

\*\*\*Removed: Congressional Record Abstracts (File 135)

\*\*\*Removed: Federal Register Abstracts (File 136)

\*\*\*EdgarPlus(TM) Files Growing--SEC Files (Files 541-544) Closing

\*\*\*Removed: Federal Acquisition Regulations (File 665)

\*\*\*

KR OnDisc(TM)

\*\*\*New KR OnDisc(TM): Business & Management Practices (BaMP(TM))

\*\*\*

FREE

\*\*\*DIALOG Direct(SM): Free 2 week demo and no delivery fees for  
90 days

\*\*\*

\*\*\*KR OnDisc: BaMP CD-ROM: Try BaMP free for 30 days.

```
>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>>   of new databases, price changes, etc. <<<
>>>   Announcements last updated 11nov97 <<<
```

```
File 1:ERIC 1966-1997/Sep
      (c) format only 1997 Knight-Ridder Info
```

```
Set Items Description
--- ----
```

```
? b 410
```

```
19nov97 09:15:27 User219509 Session D697.1
      $0.03 0.001 Hrs File1
$0.03 Estimated cost File1
$0.03 Estimated cost this search
$0.03 Estimated total session cost 0.001 Hrs.
```

```
File 410:Chronolog(R) 1981-1997/Nov
      (c) 1997 Knight-Ridder Info
```

```
Set Items Description
--- ----
```

```
? set hi ;set hi
```

```
HIGHLIGHT set on as ''
HIGHLIGHT set on as ''
? b biotech
```

```
19nov97 09:15:43 User219509 Session D697.2
      $0.00 0.004 Hrs File410
$0.00 Estimated cost File410
$0.00 Estimated cost this search
$0.03 Estimated total session cost 0.005 Hrs.
```

```
SYSTEM:OS - DIALOG OneSearch
```

```
File 5:BIOSIS PREVIEWS(R) 1969-1997/Nov W2
      (c) 1997 BIOSIS
File 6:NTIS 64-1997/Dec W2
      Comp&distr 1997 NTIS, Intl Copyright All Rights Re
*File 6: NEW! Citations of ASTM Standards. See HELP NEWS 6
File 10:AGRICOLA 70-1997/Oct
      (c) format only 1997 Knight-Ridder Info
File 12:IAC Industry Express (TM) 1995-1997/Nov 19
      (c) 1997 Info. Access Co.
File 42:PHARMACEUTICAL NEWS INDEX 1974-1997/Nov W3
      (c) 1997 UMI
*File 42: PD= and PY= will not work for dates earlier than 1988.
File 43:Health News Daily 1990-1997/Nov 18
      (c) 1997 F-D-C reports Inc.
File 40:Enviroline(R) 1975-1997/Sep
      (c) 1997 Congressional Information Service
File 41:Pollution Abs 1970-1997/Nov
      (c) 1997 Cambridge Scientific Abstracts
File 50:CAB Abstracts 1972-1997/Oct
      (c) 1997 CAB International
File 68:Env.Bib. 1974-1997/Dec
      (c) 1997 Internl Academy at Santa Barbara
File 73:EMBASE 1974-1997/Oct W4
      (c) 1997 Elsevier Science B.V.
*File 73: EMTAGS no longer in Embase as of 1/98. Type: HELP NEWS 73
      for details.
File 76:Life Sciences Collection 1982-1997/Sep
      (c) 1997 Cambridge Sci Abs
File 94:JICST-EPlus 1985-1997/Oct W1
      (c)1997 Japan Science and Tech Corp(JST)
```

File 129:PHIND(Archival) 1980-1997/Nov W3  
 (c) 1997 PJB Publications, Ltd.  
 File 130:PHIND(Daily & Current) 1997/Nov 19  
 (c) 1997 PJB Publications, Ltd.  
 File 140:Unlisted Drugs 1984-1994/July (c) 1995 Pharmaco Med.  
 Documentation Inc  
 File 143:Biol. & Agric. Index 1983-1997/Oct  
 (c) 1997 The HW Wilson Co  
 File 144:Pascal 1973-1997/Oct  
 (c) 1997 INIST/CNRS  
 File 149:IAC(SM)Health&Wellness DB(SM) 1976-1997/Nov W3  
 (c) 1997 Info Access Co  
 File 155:MEDLINE(R) 1966-1997/Dec W4  
 (c) format only 1997 Knight-Ridder Info  
 File 158:DIOGENES(R) 1976-1997/Nov W3  
 (c) 1997 DIOGENES  
 File 164:Allied & Alternative Medicine(AMED) 1984-1997/Oct  
 (c) 1997 BLHCIS  
 File 172:EMBASE Alert 1997/Nov W4  
 (c) 1997 Elsevier Science B.V.  
 File 173:Adis LMS Drug Alerts 1983-1997/Nov W3  
 (c) 1997 Adis International Ltd.  
 File 187:F-D-C Reports 1987-1997/Nov W2  
 (c) 1997 F-D-C Reports Inc.  
 File 189:NDA Pipeline: New Drugs 1991-1997/Oct  
 (c) 1997 F-D-C Reports Inc.  
 File 211:IAC Newsearch(TM) 1997-1997/Nov 19  
 (c) 1997 Info. Access Co.  
 File 285:BioBusiness(R) 1985-1997/Nov W2  
 (c) 1997 BIOSIS  
 File 286:Biocommerce Abs.& Dir. 1981-1997/Oct B2  
 (c) 1997 BioCommerce Data Ltd.  
 File 315:ChemEng & Biotec Abs 1970-1997/Nov  
 (c) 1997 RoySocChm, DECHEMA, FizChemie  
 File 357:Derwent Biotechnology Abs 1982-1997/Nov B2  
 (c) 1997 Derwent Publ Ltd  
 File 358:Current BioTech Abs 1983-1997/Nov  
 Royal Soc Chem & DECHEMA  
 File 370:Science 1996-1997/Sep W3  
 (c) 1997 AAAS  
 File 376:Derwent Drug File 1964-1982  
 (c) 1995 Derwent Info Ltd.  
 File 377:Derwent Drug File 1983-1997/Nov W5  
 (c) 1997 Derwent Info Ltd.  
 File 428:Adis Newsletters(Current) 1997/Nov 19  
 (c) 1997 Adis Intl. Ltd.  
 File 429:Adis Newsletters(Archive) 1982-1997/Oct 22  
 (c) 1997 Adis Intl. Ltd.  
 File 434:Scisearch(R) Cited Ref Sci 1974-1997/Nov W3  
 (c) 1997 Inst for Sci Info  
 File 441:ESPICOM Pharm&Med DEVICE NEWS 1997/Nov 18  
 (c) 1997 ESPICOM Bus.Intell.  
 File 446:IMSWorld Product Launches 1982-1997/Nov  
 (c) 1997 IMSWorld Publ. Ltd.  
 File 449:IMSWorld Company Profiles 1992-1997/Oct  
 (c) 1997 IMSWorld Publ. Ltd.  
 File 452:Drug Data Report 1992-1997/Nov  
 (c) 1997 J.R. Prous S.A.  
 File 455:Drug News & Perspectives 1992-1997/Oct  
 (c) 1997 J.R. Prous S.A.  
 File 456:NME Express 1992-1997/Nov B1  
 (c) 1997 J.R. Prous, S.A.  
 File 467:ExtraMED(tm) 1996/Dec  
 (c) 1996 Informania Ltd.  
 File 636:IAC Newsletter DB(TM) 1987-1997/Nov 19

Set	Items	Description
---	-----	-----

? b biotech,351

19nov97 09:16:04 User219509 Session D697.3

\$0.00	0.000	Hrs File5
\$0.00		Estimated cost File5
\$0.00	0.000	Hrs File6
\$0.00		Estimated cost File6
\$0.00	0.000	Hrs File10
\$0.00		Estimated cost File10
\$0.00	0.000	Hrs File12
\$0.00		Estimated cost File12
\$0.00	0.000	Hrs File42
\$0.00		Estimated cost File42
\$0.00	0.000	Hrs File43
\$0.00		Estimated cost File43
\$0.00	0.000	Hrs File40
\$0.00		Estimated cost File40
\$0.00	0.000	Hrs File41
\$0.00		Estimated cost File41
\$0.00	0.000	Hrs File50
\$0.00		Estimated cost File50
\$0.00	0.000	Hrs File68
\$0.00		Estimated cost File68
\$0.00	0.000	Hrs File73
\$0.00		Estimated cost File73
\$0.00	0.000	Hrs File76
\$0.00		Estimated cost File76
\$0.00	0.000	Hrs File94
\$0.00		Estimated cost File94
\$0.00	0.000	Hrs File129
\$0.00		Estimated cost File129
\$0.00	0.000	Hrs File130
\$0.00		Estimated cost File130
\$0.00	0.000	Hrs File140
\$0.00		Estimated cost File140
\$0.00	0.000	Hrs File143
\$0.00		Estimated cost File143
\$0.00	0.000	Hrs File144
\$0.00		Estimated cost File144
\$0.00	0.000	Hrs File149
\$0.00		Estimated cost File149
\$0.00	0.000	Hrs File155
\$0.00		Estimated cost File155
\$0.00	0.000	Hrs File158
\$0.00		Estimated cost File158
\$0.00	0.000	Hrs File164
\$0.00		Estimated cost File164
\$0.00	0.000	Hrs File172
\$0.00		Estimated cost File172
\$0.00	0.000	Hrs File173
\$0.00		Estimated cost File173
\$0.00	0.000	Hrs File187
\$0.00		Estimated cost File187
\$0.00	0.000	Hrs File189
\$0.00		Estimated cost File189
\$0.00	0.000	Hrs File211
\$0.00		Estimated cost File211
\$0.00	0.000	Hrs File285
\$0.00		Estimated cost File285
\$0.00	0.000	Hrs File286

\$0.00 Estimated cost File286  
 \$0.00 0.000 Hrs File315  
 \$0.00 Estimated cost File315  
 \$0.00 0.000 Hrs File357  
 \$0.00 Estimated cost File357  
 \$0.00 0.000 Hrs File358  
 \$0.00 Estimated cost File358  
 \$0.00 0.000 Hrs File370  
 \$0.00 Estimated cost File370  
 \$0.00 0.000 Hrs File376  
 \$0.00 Estimated cost File376  
 \$0.00 0.000 Hrs File377  
 \$0.00 Estimated cost File377  
 \$0.00 0.000 Hrs File428  
 \$0.00 Estimated cost File428  
 \$0.00 0.000 Hrs File429  
 \$0.00 Estimated cost File429  
 \$0.00 0.000 Hrs File434  
 \$0.00 Estimated cost File434  
 \$0.00 0.000 Hrs File441  
 \$0.00 Estimated cost File441  
 \$0.00 0.000 Hrs File446  
 \$0.00 Estimated cost File446  
 \$0.00 0.000 Hrs File449  
 \$0.00 Estimated cost File449  
 \$0.00 0.000 Hrs File452  
 \$0.00 Estimated cost File452  
 \$0.00 0.000 Hrs File455  
 \$0.00 Estimated cost File455  
 \$0.00 0.000 Hrs File456  
 \$0.00 Estimated cost File456  
 \$0.00 0.000 Hrs File467  
 \$0.00 Estimated cost File467  
 \$0.00 0.000 Hrs File636  
 \$0.00 Estimated cost File636  
 OneSearch, 46 files, 0.005 Hrs FileOS  
 \$0.00 Estimated cost this search  
 \$0.03 Estimated total session cost 0.011 Hrs.

SYSTEM:OS - DIALOG OneSearch

File 5:BIOSIS PREVIEWS(R) 1969-1997/Nov W2  
 (c) 1997 BIOSIS  
 File 6:NTIS 64-1997/Dec W2  
 Comp&distr 1997 NTIS, Intl Copyright All Rights Re  
 \*File 6: NEW! Citations of ASTM Standards. See HELP NEWS 6  
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for details.

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(c) 1997 J.R. Prous S.A.  
File 455:Drug News & Perspectives 1992-1997/Oct  
(c) 1997 J.R. Prous S.A.

File 456:NME Express 1992-1997/Nov B1  
 (c) 1997 J.R. Prous, S.A.  
 File 467:ExtraMED(tm) 1996/Dec  
 (c) 1996 Informania Ltd.  
 File 636:IAC Newsletter DB(TM) 1987-1997/Nov 19  
 (c) 1997 Information Access Co.  
 \*File 636: Company names are now searchable using /CO and CO=.  
 File 351:DERWENT WPI 1963-1997/UD=9745;UP=9742;UM=9740  
 (c)1997 Derwent Info Ltd  
 \*File 351: See HELP NEWS FAQ 351 for reload information.  
 British applications now updated faster-See HELP NEWS 351

Set Items Description

--- -----

? s th1 or (th(w)1) or th2 or th3 or (th(w)(2 or 3))

Processing

Processing

Processed 10 of 47 files ...

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processed 20 of 47 files ...

Processing

Processed 30 of 47 files ...

Processing

Processing

Processed 40 of 47 files ...

Processing

Processing

Processing

Completed processing all files

18009 TH1

798964 TH

17675562 1

1933 TH(W)1

18795 TH2

419 TH3

798964 TH

16927677 2

13573102 3

1726 TH(W)(2 OR 3)

S1 27951 TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W)(2 OR 3))

? s s1 and cd3 and cd28

27951 S1

64458 CD3

10777 CD28

S2 374 S1 AND CD3 AND CD28

? rd

>>>Duplicate detection is not supported for File 42.

>>>Duplicate detection is not supported for File 140.

>>>Duplicate detection is not supported for File 187.

>>>Duplicate detection is not supported for File 189.

>>>Duplicate detection is not supported for File 286.

>>>Duplicate detection is not supported for File 428.

>>>Duplicate detection is not supported for File 429.

>>>Duplicate detection is not supported for File 441.

>>>Duplicate detection is not supported for File 446.

>>>Duplicate detection is not supported for File 449.  
>>>Duplicate detection is not supported for File 452.  
>>>Duplicate detection is not supported for File 455.  
>>>Duplicate detection is not supported for File 456.  
>>>Duplicate detection is not supported for File 351.

>>>Records from unsupported files will be retained in the RD set.  
...examined 50 records (50)  
...examined 50 records (100)  
...examined 50 records (150)  
...examined 50 records (200)  
...examined 50 records (250)  
...examined 50 records (300)  
...examined 50 records (350)  
...completed examining records  
      S3      178 RD (unique items)  
? s s3 and antibod?

Processed 20 of 47 files ...  
Processing  
Completed processing all files  
      178 S3  
      2321746 ANTIBOD?  
      S4      95 S3 AND ANTIBOD?  
? t s4/3/1-95

4/3/1 (Item 1 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13707658 BIOSIS Number: 99707658  
Massive production of **Th2** cytokines by human CD4+ effector T cells  
transiently expressing the natural killer cell marker CD57-HNK1  
Brinkmann V; Kristofic C  
Dep. Allergy/Immunol. Res., Pharmaceuticals Div., Ciba-Geigy Ltd.,  
K-125.12.16, CH-4002 Basel, Switzerland  
Immunology 91 (4). 1997. 541-547.  
Full Journal Title: Immunology  
ISSN: 0019-2805  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 104 Iss. 007 Ref. 099163

4/3/2 (Item 2 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13691812 BIOSIS Number: 99691812  
Interleukin 12 and B7-**CD28** interaction synergistically upregulate  
interleukin 10 production by human T cells  
Peng X; Kasran A; Ceuppens J L  
Lab. Exp. Immunol., U.Z. Gasthuisberg, Herestraat 49, B-3000 Leuven,  
Belgium  
Cytokine 9 (7). 1997. 499-506.  
Full Journal Title: Cytokine  
ISSN: 1043-4666  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 104 Iss. 006 Ref. 083317

4/3/3 (Item 3 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13595621 BIOSIS Number: 99595621

Specific activation of resting T cells against tumour cells by bispecific antibodies and CD28-mediated costimulation is accompanied by Th1 differentiation and recruitment of MHC-independent cytotoxicity

Hombach A; Tillmann T; Jensen M; Heuser C; Sircar R; Diehl V; Kruis W; Pohl C

Evangelisches Krankenhaus Koeln-Kalk, Buchforststr. 2, 51103 Koeln, Germany

Clinical and Experimental Immunology 108 (2). 1997. 352-357.

Full Journal Title: Clinical and Experimental Immunology

ISSN: 0009-9104

Language: ENGLISH

Print Number: Biological Abstracts Vol. 104 Iss. 002 Ref. 021635

4/3/4 (Item 4 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1997 BIOSIS. All rts. reserv.

13566234 BIOSIS Number: 99566234

Costimulation through B7-2 (CD86) is required for the induction of a lung mucosal helper cell 2 (TH2) immune response and altered airway responsiveness

Tsuyuki S; Tsuyuki J; Einsle K; Kopf M; Coyle A J

Dep. Experimental Therapeutics, Millennium Pharm., Cambridge, MA 02139-4815, USA

Journal of Experimental Medicine 185 (9). 1997. 1671-1679.

Full Journal Title: Journal of Experimental Medicine

ISSN: 0022-1007

Language: ENGLISH

Print Number: Biological Abstracts Vol. 104 Iss. 001 Ref. 007084

4/3/5 (Item 5 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1997 BIOSIS. All rts. reserv.

13477241 BIOSIS Number: 99477241

Retinol (vitamin A) is a cofactor in CD3-induced human T-lymphocyte activation

Allende L M; Corell A; Madrono A; Gongora R; Rodriguez-Gallego C; Lopez-Goyanes A; Rosal M; Arnaiz-Villena A

Dep. Immunol., Hosp. Univ. 12 de Octubre, Univ. Complutense, Carretera de Andalucia, E-28041 Madrid, Spain

Immunology 90 (3). 1997. 388-396.

Full Journal Title: Immunology

ISSN: 0019-2805

Language: ENGLISH

Print Number: Biological Abstracts Vol. 103 Iss. 009 Ref. 132910

4/3/6 (Item 6 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1997 BIOSIS. All rts. reserv.

13472863 BIOSIS Number: 99472863

Establishment of an IL-12-responsive T cell clone: Its characterization and utilization in the quantitation of IL-12 activity

Maruo S; Ahn H-J; Yu W-G; Tomura M; Wysocka M; Yamamoto N; Kobayashi M; Hamaoka T; Trinchieri G; Fujiwara H

Biomed. Res. Cent., Osaka Univ. Med. Sch., 2-2 Yamada-oka, Suita, Osaka 565, Japan

Journal of Leukocyte Biology 61 (3). 1997. 346-352.

Full Journal Title: Journal of Leukocyte Biology

ISSN: 0741-5400

Language: ENGLISH

Print Number: Biological Abstracts Vol. 103 Iss. 009 Ref. 128532

4/3/7 (Item 7 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13424416 BIOSIS Number: 99424416  
Nitric oxide inhibits the secretion of T-helper 1- and T-helper  
2-associated cytokines in activated human T cells  
Bauer H; Jung T; Tsikas D; Stichtenoth D O; Froelich J C; Neumann C  
Dep. Dermatol., Univ. Goettingen, von-Siebold-Strasse 3, 37075  
Goettingen, Germany  
Immunology 90 (2). 1997. 205-211.  
Full Journal Title: Immunology  
ISSN: 0019-2805  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 103 Iss. 007 Ref. 096559

4/3/8 (Item 8 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13410192 BIOSIS Number: 99410192  
Regulation of interleukin-12 receptor beta-1 chain expression and  
interleukin-12 binding by human peripheral blood mononuclear cells  
Wu C-Y; Warriar R R; Wang X; Presky D H; Gately M K  
Dep. Inflammation/Autoimmune Dis., Hoffmann-La Roche Inc., Nutley, NJ  
07110, USA  
European Journal of Immunology 27 (1). 1997. 147-154.  
Full Journal Title: European Journal of Immunology  
ISSN: 0014-2980  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 103 Iss. 006 Ref. 082335

4/3/9 (Item 9 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13153949 BIOSIS Number: 99153949  
Reversal of the inhibitory effects of HIV-gp120 on CD4+ T cells by  
stimulation through the **CD28** pathway  
Faith A; Yssel H; O'Hehir R E; Lamb J R  
SIAF, Obere Strasse 22, CH-7270 Davos, Switzerland  
Clinical and Experimental Immunology 105 (2). 1996. 225-230.  
Full Journal Title: Clinical and Experimental Immunology  
ISSN: 0009-9104  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 007 Ref. 102080

4/3/10 (Item 10 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13103536 BIOSIS Number: 99103536  
Co-stimulation-induced release of pro-inflammatory cytokine interleukin-8  
by allergen-specific T cells  
Spinozzi F; Agea E; Piattoni S; Bistoni O; Grignani F; Bertotto A  
Ist. di Med. Internal Sci. Oncol., Policlinico Monteluce, I-06100  
Perugia, Italy  
Scandinavian Journal of Immunology 44 (1). 1996. 80-84.

Full Journal Title: Scandinavian Journal of Immunology  
ISSN: 0300-9475  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 005 Ref. 068985

4/3/11 (Item 11 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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13050193 BIOSIS Number: 99050193

Single human T cells stimulated in the absence of feeder cells transcribe interleukin-2 and undergo long-term clonal growth in response to defined monoclonal **antibodies** and cytokine stimulation

Sunder-Plassmann R; Breitender H; Zimmermann K; Strunk D; Majdic O; Knapp W; Holter W

Inst. Immunol., Borschkegasse 8a, A-1090 Vienna, Austria  
Blood 87 (12). 1996. 5179-5184.

Full Journal Title: Blood

ISSN: 0006-4971

Language: ENGLISH

Print Number: Biological Abstracts Vol. 102 Iss. 003 Ref. 032366

4/3/12 (Item 12 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

12224677 BIOSIS Number: 98824677

Vitamin A down-regulation of IFN-gamma synthesis in cloned mouse **Th1** lymphocytes depends on the **CD28** costimulatory pathway

Cantorna M T; Nashold F E; Chun T Y; Hayes C E

Department Biochemistry, University Wisconsin, Madison, WI 53706, USA  
Journal of Immunology 156 (8). 1996. 2674-2679.

Full Journal Title: Journal of Immunology

ISSN: 0022-1767

Language: ENGLISH

Print Number: Biological Abstracts Vol. 101 Iss. 012 Ref. 175099

4/3/13 (Item 13 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

12080179 BIOSIS Number: 98680179

Comparison of **CD28**-B7.1 and B7.2 functional interaction in resting human T cells: Phosphatidylinositol 3-kinase association to **CD28** and cytokine production

Ghiotto-Ragueneau M B; Truneh A; Waterfield M D; Olive D

INSERM U119, 27 Bd Lei Roure, F-13009 Marseille, France

European Journal of Immunology 26 (1). 1996. 34-41.

Full Journal Title: European Journal of Immunology

ISSN: 0014-2980

Language: ENGLISH

Print Number: Biological Abstracts Vol. 101 Iss. 006 Ref. 080460

4/3/14 (Item 14 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11963642 BIOSIS Number: 98563642

High-level IL-10 production by monoclonal **antibody**-stimulated human T cells

Schwarz M; Majdic O; Knapp W; Holter W

Inst. Immunol., Borschkef. 8a, A-1090 Vienna, Austria  
Immunology 86 (3). 1995. 364-371.  
Full Journal Title: Immunology  
ISSN: 0019-2805  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 101 Iss. 001 Ref. 006447

4/3/15 (Item 15 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11963564 BIOSIS Number: 98563564  
Interleukin (IL) 4, in the absence of antigen stimulation, induces an anergy-like state in differentiated CD8+ TC1 cells: Loss of IL-2 synthesis and autonomous proliferation but retention of cytotoxicity and synthesis of other cytokines  
Sad S; Mosmann T R  
Dep. Med. Microbiol. Immunol., 865 Medical Sci. Build., Univ. Alberta, Edmonton, AB T6G 2H7, Canada  
Journal of Experimental Medicine 182 (5). 1995. 1505-1515.  
Full Journal Title: Journal of Experimental Medicine  
ISSN: 0022-1007  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 101 Iss. 001 Ref. 006369

4/3/16 (Item 16 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11963550 BIOSIS Number: 98563550  
**Antibodies** to interleukin 12 abrogate established experimental colitis in mice  
Neurath M F; Fuss I; Kelsall B L; Stuber E; Strober W  
Mucosal Immunity Section, NIH/NIAID/LCI, Build. 10, Room 11N242, Rockville Pike, Bethesda, MD 20892-1890, USA  
Journal of Experimental Medicine 182 (5). 1995. 1281-1290.  
Full Journal Title: Journal of Experimental Medicine  
ISSN: 0022-1007  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 101 Iss. 001 Ref. 006355

4/3/17 (Item 17 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11892835 BIOSIS Number: 98492835  
Costimulation of **CD3**-TcR complex with either integrin or nonintegrin ligands protects CD4+ allergen-specific T-cell clones from programmed cell death  
Agea E; Bistoni O; Bini P; Migliorati G; Nicoletti I; Bassotti G; Riccardi C; Bertotto A; Spinozzi F  
Inst. Med. Interna Sci. Oncol., Policlin. Monteluca, I-06100 Perugia, Italy  
Allergy (Copenhagen) 50 (8). 1995. 677-682.  
Full Journal Title: Allergy (Copenhagen)  
ISSN: 0105-4538  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 100 Iss. 010 Ref. 143692

4/3/18 (Item 18 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1997 BIOSIS. All rts. reserv.

11635508 BIOSIS Number: 98235508

Differential modulation of **Th1**- and **Th2**-related cytokine mRNA expression by a synthetic peptide homologous to a conserved domain within retroviral envelope protein

Haraguchi S; Good R A; James-Yarish M; Cianciolo G J; Day N K  
Dep. Pediatrics, All Children's Hosp., Univ. South Florida College Med.,  
St. Petersburg, FL 33701, USA

Proceedings of the National Academy of Sciences of the United States of America 92 (8). 1995. 3611-3615.

Full Journal Title: Proceedings of the National Academy of Sciences of the United States of America

ISSN: 0027-8424

Language: ENGLISH

Print Number: Biological Abstracts Vol. 099 Iss. 011 Ref. 157684

4/3/19 (Item 19 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11581062 BIOSIS Number: 98181062

**CD28** activation promotes **Th2** subset differentiation by human CD4+ cells

King C L; Stupi R L; Craighead N; June C H; Thyphronitis G  
Div. Geographic Med., Case Western Reserve Univ., 2109 Adelbert Rd.,  
Cleveland, OH 44106-4983, USA

European Journal of Immunology 25 (2). 1995. 587-595.

Full Journal Title: European Journal of Immunology

ISSN: 0014-2980

Language: ENGLISH

Print Number: Biological Abstracts Vol. 099 Iss. 009 Ref. 121365

4/3/20 (Item 20 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11435527 BIOSIS Number: 98035527

Impairment of T lymphocyte proliferation in atopic individuals: Lack of a role for interleukin 4

Romano M F; Perna E; Stanziola A; Formisano S  
Dip. Biol. e Patol. Molecolare e Cellulare, Univ. Federico II, Fac. Med.,  
via Pansini 5, 80131 Napoli, Italy

Immunologia Clinica 12 (4). 1993. 177-183.

Full Journal Title: Immunologia Clinica

ISSN: \*\*\*\*\*

Language: ENGLISH

Print Number: Biological Abstracts Vol. 099 Iss. 002 Ref. 020071

4/3/21 (Item 21 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11167617 BIOSIS Number: 97367617

B7 and interleukin 12 cooperate for proliferation and interferon gamma production by mouse T helper clones that are unresponsive to B7 costimulation

Murphy E E; Terres G; Macatonia S E; Hsieh C-S; Mattson J; Lanier L;  
Wysocka M; Trinchieri G; Murphy K; O'Garra A

DNAX Res. Inst., 901 California Avenue, Palo Alto, CA 94304-1104, USA

Journal of Experimental Medicine 180 (1). 1994. 223-231.

Full Journal Title: Journal of Experimental Medicine



ISSN: 0022-1007  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 098 Iss. 005 Ref. 056106

4/3/22 (Item 22 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11048076 BIOSIS Number: 97248076  
B7+-transfectant tubular epithelial cells induced T cell anergy,  
ignorance of proliferation  
Yokoyama H; Zheng X; Strom T B; Kelley V R  
Lab. Immunogenetic Transplantation, Brigham and Women's Hospital, 75  
Francis St., Boston, MA 02115, USA  
Kidney International 45 (4). 1994. 1105-1112.  
Full Journal Title: Kidney International  
ISSN: 0085-2538  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 097 Iss. 011 Ref. 165185

4/3/23 (Item 23 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10917738 BIOSIS Number: 97117738  
Interleukin-1 and B7-**CD28** interaction regulate interleukin-6  
production by human T cells  
Lorre K; Kasran A; Van Vaeck F; De Boer M; Ceuppens J J  
Div. Clin. Immunol., Dep. Med. Pathophysiol., Univ. Leuven, 3000 Leuven,  
BEL  
Clinical Immunology and Immunopathology 70 (1). 1994. 81-90.  
Full Journal Title: Clinical Immunology and Immunopathology  
ISSN: 0090-1229  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 097 Iss. 006 Ref. 067611

4/3/24 (Item 24 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10875164 BIOSIS Number: 97075164  
Ligation of B7 with **CD28**-CTLA-4 on T cells results in CD40 ligand  
expression, interleukin-4 secretion and efficient help for **antibody**  
production by B cells  
De Boer M; Kasran A; Kwekkeboom J; Walter H; Vandenberghe P; Ceuppens J L  
Dep. Immunol., Innogenetics N.V., Industriepark Zwijnaarde 7, Box 4,  
B-9052 Ghent, BEL  
European Journal of Immunology 23 (12). 1993. 3120-3125.  
Full Journal Title: European Journal of Immunology  
ISSN: 0014-2980  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 097 Iss. 004 Ref. 042661

4/3/25 (Item 25 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10537005 BIOSIS Number: 96137005  
SIGNALING VIA **CD28** COSTIMULATES LYMPHOKINE PRODUCTION BUT DOES NOT  
REVERSE UNRESPONSIVENESS TO INTERLEUKIN-2 IN ANTI-**CD3** TRIGGERED T-H1  
CELLS

SOMMER F; ROLLINGHOFF M; LOHOFF M  
INST. KLINISCHE MIKROBIOLOGIE, UNIV. ERLANGEN-NUERNBERG, WASSERTURMSTR.  
3, D-91054 ERLANGEN, GER.  
EUR J IMMUNOL 23 (10). 1993. 2498-2502. CODEN: EJIMA  
Full Journal Title: European Journal of Immunology  
Language: ENGLISH

4/3/26 (Item 26 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

9032491 BIOSIS Number: 93017491  
HUMAN ATOPEN-SPECIFIC TYPES 1 AND 2 T HELPER CELL CLONES  
WIERENGA E A; SNOEK M; JANSSEN H M; BOS J D; VAN LIER R A W; KAPSENBERG M  
L  
DEP. CELL BIOLOGY, UNIVERSITY AMSTERDAM, ACADEMISCH MEDISCH CENTRUM,  
MEIBERGDREEF 15, 1105 AZ AMSTERDAM, NETH.  
J IMMUNOL 147 (9). 1991. 2942-2949. CODEN: JOIMA  
Full Journal Title: Journal of Immunology  
Language: ENGLISH

4/3/27 (Item 27 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

6977467 BIOSIS Number: 87037988  
CLONAL ANALYSIS OF FUNCTIONALLY DISTINCT HUMAN CD4-POSITIVE T CELLS  
SUBSETS  
ROTTEVEEL F T M; KOKKELINK I; VAN LIER R A W; KUENEN B; MEAGER A; MIEDEMA  
F; LUCAS C J  
CENT. LAB., NETH. RED CROSS BLOOD TRANSFUSION SERV., P.O. BOX 1006 AK  
AMSTERDAM, NETH.  
J EXP MED 168 (5). 1988. 1659-1674. CODEN: JEMEA  
Full Journal Title: Journal of Experimental Medicine  
Language: ENGLISH

4/3/28 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

10358996 EMBASE No: 97167570  
Cytokine production by subsets of CD4 memory T cells differing in P-  
glycoprotein expression: Effects of aging  
Bining N.; Miller R.A.  
Dr. R.A. Miller, Geriatrics Center, University of Michigan, Medical  
Sciences Research Bldg. III, 1150 West Medical Center Drive, Ann Arbor, MI  
48109-0642 USA  
Journals of Gerontology - Series A Biological Sciences and Medical  
Sciences (USA), 1997, 52/3 (B137-B145) CODEN: JGASF ISSN: 1079-5006  
DOCUMENT TYPE: Journal  
LANGUAGES: English SUMMARY LANGUAGES: English  
NUMBER OF REFERENCES: 37

4/3/29 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

10326799 EMBASE No: 97144816  
Costimulation through B7-2 (CD86) is required for the induction of a lung  
mucosal T helper cell 2 (Th2) immune response and altered airway  
responsiveness

Tsuyuki S.; Tsuyuki J.; Einsle K.; Kopf M.; Coyle A.J.

USA

Journal of Experimental Medicine (USA) , 1997, 185/9 (1671-1679) CODEN:

JEMEA ISSN: 0022-1007

DOCUMENT TYPE: Journal

LANGUAGES: English SUMMARY LANGUAGES: English

NUMBER OF REFERENCES: 52

4/3/30 (Item 3 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 1997 Elsevier Science B.V. All rts. reserv.

9767960 EMBASE No: 95318438

Peptide-induced anergy in allergen-specific human Th2 cells results in lack of cytokine production and B cell help for IgE synthesis: Reversal by IL-2, not by IL-4 or IL-13

Fasler S.; Aversa G.; Terr A.; Thestrup-Pedersen K.; De Vries J.E.; Yssel H.

Human Immunology Department, DNAX Research Institute for CMB, 901 California Avenue, Palo Alto, CA 94304-1104 USA

Journal of Immunology (USA) , 1995, 155/9 (4199-4206) CODEN: JOIMA

ISSN: 0022-1767

LANGUAGES: English SUMMARY LANGUAGES: English

4/3/31 (Item 4 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 1997 Elsevier Science B.V. All rts. reserv.

8846614 EMBASE No: 93150357

Direct effects of IL-10 on subsets of human CD4+ T cell clones and resting T cells: Specific inhibition of IL-2 production and proliferation

De Waal Malefyt R.; Yssel H.; De Vries J.E.

Human Immunology Department, DNAX Research Institute, 901 California Ave., Palo Alto, CA 94304-1104 USA

J. IMMUNOL. (USA) , 1993, 150/11 (4754-4765) CODEN: JOIMA ISSN: 0022-1767

LANGUAGES: English SUMMARY LANGUAGES: English

4/3/32 (Item 1 from file: 76)

DIALOG(R)File 76:Life Sciences Collection

(c) 1997 Cambridge Sci Abs. All rts. reserv.

02104924 4004689

Reversal of the inhibitory effects of HIV-gp120 on CD4 super(+) T cells by stimulation through the CD28 pathway

Faith, A.; Yssel, H.; O'Hehir, R.E.; Lamb, J.R.

SIAF, Obere Str. 22, CH-7270 Davos, Switzerland

CLIN. EXP. IMMUNOL. vol. 105, no. 2, pp. 225-230 (1996)

ISSN: 0009-9104

DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH

SUBFILE: Immunology Abstracts; Virology & AIDS Abstracts

4/3/33 (Item 2 from file: 76)

DIALOG(R)File 76:Life Sciences Collection

(c) 1997 Cambridge Sci Abs. All rts. reserv.

02079063 3970611

Upstream-downstream: CD28 cosignaling pathways and T cell function

Rudd, C.E.

Div. Tumor Immun., Dana-Farber Cancer Inst., Dep. Pathol., Harvard Med.

Sch., Boston, MA 02115, USA

IMMUNITY vol. 4, no. 6, pp. 527-534 (1996)  
ISSN: 1074-7613  
DOCUMENT TYPE: Journal article; Review article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

4/3/34 (Item 3 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

02052254 3932219  
Comparison of **CD28**-B7.1 and B7.2 functional interaction in resting  
human T cells: Phosphatidylinositol 3-kinase association to **CD28**  
and cytokine production  
Ghiotto Ragueneau, M.; Battifora, M.; Truneh, A.; Waterfield, M.D.; Olive,  
D.  
INSERM U119, 27 Bd Lei Roure, F-13009 Marseille, France  
EUR. J. IMMUNOL. vol. 26, no. 1, pp. 34-41 (1996)  
ISSN: 0014-2980  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

4/3/35 (Item 4 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01995361 3853191  
Interleukin (IL) 4, in the absence of antigen stimulation, induces an  
anergy-like state in differentiated CD8 super(+) TC1 cells: Loss of IL-2  
synthesis and autonomous proliferation but retention of cytotoxicity and  
synthesis of other cytokines  
Sad, S.; Mosmann, T.R.  
Dep. Med. Microbiol. and Immun., 865 Med. Sci. Bldg., Univ. Alberta,  
Edmonton, AB T6G 2H7, Canada  
J. EXP. MED. vol. 182, no. 5, pp. 1505-1515 (1995)  
ISSN: 0022-1007  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

4/3/36 (Item 5 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01973590 3822875  
Costimulation of **CD3**/TCR complex with either integrin or nonintegrin  
ligands protects CD4 super(+) allergen-specific T-cell clones from  
programmed cell death  
Agea, E.; Bistoni, O.; Bini, P.; Migliorati, G.; Nicoletti, I.; Bassotti,  
G.; Riccardi, C.; Bertotto, A.; Spinozzi, F.  
Ist. Med. Interna e Sci. Oncol., Policlin. Monteluca, I-06100 Perugia,  
Italy  
ALLERGY vol. 50, no. 8, pp. 677-682 (1995)  
ISSN: 0105-4538  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

4/3/37 (Item 6 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01927893 3749050  
A novel receptor involved in T-cell activation

Cocks, B.G.; Chang, Chia Chun J.; Carballido, J.M.; Yssel, H.; de Vries, J.E.; Aversa, G.  
DNAX Res. Inst. Mol. and Cell Biol., Hum. Immunol. Dep., 901 California Ave., Palo Alto, CA 94304-1104, USA  
NATURE vol. 376, no. 6537, pp. 260-263 (1995)  
ISSN: 0028-0836  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts; Biochemistry Abstracts 2: Nucleic Acids; Genetics Abstracts; Human Genome Abstracts

4/3/38 (Item 7 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01917130 3734329  
**CD28** activation promotes **Th2** subset differentiation by human CD4 super(+) cells  
King, C.L.; Stupi, R.J.; Craighead, N.; June, C.H.; Thyphronitis, G.  
Div. Geogr. Med., Case Western Reserve Univ., 2109 Adelbert Rd., Cleveland, OH 44106-4983, USA  
EUR. J. IMMUNOL. vol. 25, no. 2, pp. 587-595 (1995)  
ISSN: 0014-2980  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

4/3/39 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)1997 Japan Science and Tech Corp(JST). All rts. reserv.

03998492 JICST ACCESSION NUMBER: 97A0885081 FILE SEGMENT: PreJICST-E  
Rapid Production of IL-4 by CD4posNK1.1pos T Cells in Response to In Vivo Challenge with Anti-**CD3**.  
YOSHIMOTO TOMOHIRO (1)  
(1) Hyogo Coll. of Med.  
Hyogo Ika Daigaku Igakkai Zasshi( Acta Medica Hyogoensia ), 1996,  
VOL.21,NO.3, PAGE.175-180  
JOURNAL NUMBER: S0690BAS ISSN NO: 0385-7638  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
MEDIA TYPE: Printed Publication

4/3/40 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 1997 INIST/CNRS. All rts. reserv.

12272706 PASCAL No.: 95-0502740  
Costimulation of **CD3**/TcR complex with either integrin or nointegrin ligands protects CD4 SUP + allergen-specific T-cell clones from programmed cell death  
AGEA E; BISTONI O; BINI P; MIGLIORATI G; NICOLETTI I; BASSOTTI G; RICCARDI C; BERTOTTO A; SPINOZZI F  
Univ. Perugia, dep. internal medicine, 60100 Perugia, Italy  
Journal: Allergy : (Copenhagen), 1995, 50 (8) 677-682  
Language: English

4/3/41 (Item 2 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 1997 INIST/CNRS. All rts. reserv.

11194322 PASCAL No.: 94-0011261  
Signaling via **CD28** costimulates lymphokine production, but does not

reverse unresponsiveness to interleukin-2 in anti-CD3 triggered T SUB  
h 1 cells

SOMMER F; ROELLINGHOFF M; LOHOFF M  
Univ. Erlangen-Nuernberg, Inst. Klin. Mikrobiologie, 91054 Erlangen,  
Federal Republic of Germany  
Journal: European journal of immunology, 1993, 23 (10) 2498-2502  
Language: English

4/3/42 (Item 1 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01608355 SUPPLIER NUMBER: 17838968 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Aberrant activation of CD8+ T-cell and CD8+ T-cell subsets in patients with  
newly diagnosed IDDM. (insulin-dependent diabetes mellitus)  
Hehmke, Bernd; Michaelis, Dietrich; Gens, Elke; Laube, Frank; Kohnert,  
Klaus-Dieter  
Diabetes, v44, n12, p1414(6)  
Dec, 1995  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0012-1797 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 5653 LINE COUNT: 00489

4/3/43 (Item 2 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01492282 SUPPLIER NUMBER: 15785467 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Selective targeting of the immune response in autoimmune demyelination.  
(Neurology: From Basics to Bedside)  
Oksenberg, Jorge R.  
The Western Journal of Medicine, v161, n3, p255(5)  
Sept, 1994  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0093-0415 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional  
WORD COUNT: 4118 LINE COUNT: 00366

4/3/44 (Item 3 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01484842 SUPPLIER NUMBER: 15614506 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Ability of HIV to promote TH1 to TH0 shift and to replicate  
preferentially in TH2 and TH0 cells.  
Maggi, Enrico; Mazzetti, Marcello; Ravina, Adriana; Annunziato, Francesco;  
Carli, Marco De; Piccinni, Marie Pierre; Manetti, Roberto; Carbonari,  
Maurizio; Pesce, Anna Maria; Del Prete, Gianfranco; Romagnani, Sergio  
Science, v265, n5169, p244(5)  
July 8, 1994  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Academic  
WORD COUNT: 2739 LINE COUNT: 00217

4/3/45 (Item 4 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01364923 SUPPLIER NUMBER: 12582999 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Immunosuppression in vivo by a soluble form of the CTLA-4 T cell activation  
molecule. (CTLA4Ig)  
Linsley, Peter S.; Wallace, Philip M.; Johnson, Jennifer; Gibson, Marylou

G.; Greene, JoAnne L.; Ledbetter, Jeffrey A.; Singh, Cherry; Tepper, Mark A.  
Science, v257, n5071, p792(4)  
August 7, 1992  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Academic  
WORD COUNT: 2268 LINE COUNT: 00220

4/3/46 (Item 1 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

09202641 97328371  
Requirement of **CD28**-CD86 co-stimulation in the interaction between antigen-primed T helper type 2 and B cells.  
Nakajima A; Watanabe N; Yoshino S; Yagita H; Okumura K; Azuma M  
Department of Immunology, Juntendo University School of Medicine, Tokyo, Japan.  
Int Immunol (ENGLAND) May 1997, 9 (5) p637-44, ISSN 0953-8178  
Journal Code: AY5  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/47 (Item 2 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

09057433 97234528  
Interleukin-7 activates human naive CD4+ cells and primes for interleukin-4 production.  
Webb LM; Foxwell BM; Feldmann M  
Kennedy Institute of Rheumatology, London, GB.  
Eur J Immunol (GERMANY) Mar 1997, 27 (3) p633-40, ISSN 0014-2980  
Journal Code: EN5  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/48 (Item 3 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

08825923 96430983  
Hypoproliferative human lamina propria T cells retain the capacity to secrete lymphokines when stimulated via CD2/**CD28** pathways.  
Boirivant M; Fuss I; Fiocchi C; Klein JS; Strong SA; Strober W  
Laboratory of Clinical Investigation, National Institute of Allergy and Infectious Diseases, NIH, Bethesda, MD 20892, USA.  
Proc Assoc Am Physicians (UNITED STATES) Jan 1996, 108 (1) p55-67, ISSN 1081-650X Journal Code: CDQ  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/49 (Item 4 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

08711311 96360160  
Maturation of neonatal human CD4 T cells: III. Role of B7 co-stimulation at priming.  
Yang LP; Demeure CE; Byun DG; Vezzio N; Delespesse G  
Allergy Research Laboratory (M4211-K), Centre de Recherche Louis-Charles

Simard, Notre-Dame Hospital, University of Montreal, Quebec, Canada.  
Int Immunol (ENGLAND) Dec 1995, 7 (12) p1987-93, ISSN 0953-8178  
Journal Code: AY5  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/50 (Item 5 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

08537635 96171633  
N-acetylcysteine (NAC) enhances interleukin-2 but suppresses  
interleukin-4 secretion from normal and HIV+ CD4+ T-cells.  
Eylar EH; Baez I; Vazquez A; Yamamura Y  
Department of Biochemistry and Microbiology, Ponce School of Medicine,  
Puerto Rico 00732.  
Cell Mol Biol (Noisy-le-grand) (FRANCE) 1995, 41 Suppl 1 ps35-40,  
Journal Code: BNA  
Contract/Grant No.: 1-S06-RR08239, RR, NCRR; 1-G-12RR03050, RR, NCRR  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/51 (Item 6 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

08438977 96082355  
CD28 ligands CD80 (B7-1) and CD86 (B7-2) induce long-term autocrine  
growth of CD4+ T cells and induce similar patterns of cytokine secretion in  
vitro.  
Levine BL; Ueda Y; Craighead N; Huang ML; June CH  
Immune Cell Biology Program, Naval Medical Research Institute, Bethesda,  
MD, USA.  
Int Immunol (ENGLAND) Jun 1995, 7 (6) p891-904, ISSN 0953-8178  
Journal Code: AY5  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/52 (Item 7 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

08024969 94304624  
MHC class II molecules regulate growth in human T cells.  
Nielsen M; Odum N; Bendtzen K; Ryder LP; Jakobsen BK; Svejgaard A  
Department of Clinical Immunology, State University Hospital  
(Rigshospitalet), Copenhagen, Denmark.  
Exp Clin Immunogenet (SWITZERLAND) 1994, 11 (1) p23-32, ISSN  
0254-9670 Journal Code: AOK  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/53 (Item 1 from file: 172)  
DIALOG(R) File 172:EMBASE Alert  
(c) 1997 Elsevier Science B.V. All rts. reserv.

00606068 EMBASE No: 97316851  
The inhibitory effects of topically active glucocorticoids on IL-4, IL-  
5, and interferon-gamma production by cultured primary CD4sup + T cells  
Umland S.P.; Nahrebne D.K.; Razac S.; Beavis A.; Pennline K.J.; Egan R.W.  
; Billah M.M.



Dr. S.P. Umland, Schering-Plough Research Institute, 2015 Galloping Hill Rd., Kenilworth, NJ 07033 USA

Journal of Allergy and Clinical Immunology (USA) , 1997  
VOL/ISS/PG: 100/4 (511-519) CODEN: JACIB ISSN: 0091-6749  
LANGUAGES: English SUMMARY LANGUAGES: English

4/3/54 (Item 1 from file: 377)  
DIALOG(R)File 377:Derwent Drug File  
(c) 1997 Derwent Info Ltd. All rts. reserv.

00700686 DERWENT ACCESSION NUMBER: 96-31035  
Effects of mometasone furoate and othre glucocorticoids on cytokine production from peripheral blood CD4+ T cells.  
Nolop K; Nahrebne D K; Razac S; Billah M M; Egan R W; Umland S P  
(Kenilworth, N.J., USA)  
Allergy 51, Suppl. 31, 55, 1996

4/3/55 (Item 2 from file: 377)  
DIALOG(R)File 377:Derwent Drug File  
(c) 1997 Derwent Info Ltd. All rts. reserv.

00698036 DERWENT ACCESSION NUMBER: 96-28345  
Effects of mometasone furoate and other glucocorticoids on cytokine production from cultured peripheral blood CD4+ cells.  
Umland S P; Nahrebne D K; Razac S; Billah M M; Egan R W  
(Kenilworth, N.J., USA)  
J.Allergy Clin.Immunol. 97, No. 1, Pt. 3, 288, 1996

4/3/56 (Item 1 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

16060085 Genuine Article#: YA529 No. References: 37  
Title: The inhibitory effects of topically active glucocorticoids on IL-4, IL-5, and interferon-gamma production by cultured primary CD4(+) T cells  
Author(s): Umland SP (REPRINT) ; Nahrebne DK; Razac S; Beavis A; Pennline KJ; Egan RW; Billah MM  
Corporate Source: SCHERING PLOUGH CORP,RES INST, 2015 GALLOPING HILL RD, K15-1-1700/KENILWORTH//NJ/07033 (REPRINT)  
Journal: JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY, 1997, V100, N4 (OCT), P511-519  
ISSN: 0091-6749 Publication date: 19971000  
Publisher: MOSBY-YEAR BOOK INC, 11830 WESTLINE INDUSTRIAL DR, ST LOUIS, MO 63146-3318  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

4/3/57 (Item 2 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15758672 Genuine Article#: XE217 No. References: 32  
Title: Murine lymphotactin: Gene structure, post-translational modification and inhibition of expression by CD28 costimulation  
Author(s): Hautamaa D; Merica R; Chen ZY; Jenkins MK (REPRINT)  
Corporate Source: UNIV MINNESOTA,SCH MED, DEPT MICROBIOL, BOX 196 UMHC, 420 DELAWARE ST SE/MINNEAPOLIS//MN/55455 (REPRINT); UNIV MINNESOTA,SCH MED, DEPT MICROBIOL/MINNEAPOLIS//MN/55455  
Journal: CYTOKINE, 1997, V9, N6 (JUN), P375-382  
ISSN: 1043-4666 Publication date: 19970600  
Publisher: W B SAUNDERS CO, INDEPENDENCE SQUARE WEST CURTIS CENTER, STE

4/3/58 (Item 3 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15676143 Genuine Article#: WX987 No. References: 43  
Title: Wortmannin, a phosphatidylinositol 3-kinase inhibitor, blocks  
antigen-mediated, but not **CD3** monoclonal **antibody**-induced,  
activation of murine CD4(+) T cells  
Author(s): Shi J; Cinek T; Truitt KE; Imboden JB (REPRINT)  
Corporate Source: UNIV CALIF SAN FRANCISCO, DEPT MED, BOX 0868/SAN  
FRANCISCO//CA/94143 (REPRINT); UNIV CALIF SAN FRANCISCO, DEPT MED/SAN  
FRANCISCO//CA/94143; UNIV CALIF SAN FRANCISCO, SAN FRANCISCO GEN  
HOSP/SAN FRANCISCO//CA/94143  
Journal: JOURNAL OF IMMUNOLOGY, 1997, V158, N10 (MAY 15), P4688-4695  
ISSN: 0022-1767 Publication date: 19970515  
Publisher: AMER ASSOC IMMUNOLOGISTS, 9650 ROCKVILLE PIKE, BETHESDA, MD  
20814  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

4/3/59 (Item 4 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15356201 Genuine Article#: WB668 No. References: 46  
Title: ANTIGEN-PRESENTING CELL-DERIVED SIGNALS DETERMINE EXPRESSION LEVELS  
OF CD70 ON PRIMED T-CELLS  
Author(s): LENS SMA; BAARS PA; HOOIBRINK B; VANOERS MHJ; VANLIER RAW  
Corporate Source: NETHERLANDS RED CROSS, BLOOD TRANSFUS SERV, CENT LAB, DEPT  
CLIN VIROIMMUNOL, PLESMANLAAN 125/NL-1066 CX AMSTERDAM//NETHERLANDS/;  
NETHERLANDS RED CROSS, BLOOD TRANSFUS SERV, CENT LAB, DEPT CLIN  
VIROIMMUNOL/NL-1066 CX AMSTERDAM//NETHERLANDS/; UNIV AMSTERDAM, EXPT &  
CLIN IMMUNOL LAB/AMSTERDAM//NETHERLANDS/; UNIV AMSTERDAM, ACAD MED  
CTR, DEPT HAEMATOL/NL-1105 AZ AMSTERDAM//NETHERLANDS/  
Journal: IMMUNOLOGY, 1997, V90, N1 (JAN), P38-45  
ISSN: 0019-2805  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/60 (Item 5 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15173293 Genuine Article#: VP486 No. References: 29  
Title: A TUMOR-SPECIFIC **TH2** CLONE INITIATING TUMOR REJECTION VIA  
PRIMED CD8(+) CYTOTOXIC T-LYMPHOCYTE ACTIVATION IN MICE  
Author(s): SHEN Y; FUJIMOTO S  
Corporate Source: KOCHI MED SCH, DEPT IMMUNOL/NANKOKU/KOCHI 783/JAPAN/  
Journal: CANCER RESEARCH, 1996, V56, N21 (NOV 1), P5005-5011  
ISSN: 0008-5472  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/61 (Item 6 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15144487 Genuine Article#: VL923 No. References: 31  
Title: ENHANCED PRODUCTION OF IL4 BUT NOT OF IFN-GAMMA AND IL10 BY  
PERIPHERAL-BLOOD MONONUCLEAR-CELLS FROM ATOPIC CHILDREN IN RESPONSE TO  
CD2 PLUS **CD28** STIMULATION

Author(s): HOLTER W; EMMINGER W; MAJDIC O; KNAPP W  
Corporate Source: ST ANNA CHILDRENS HOSP, CCRI, KINDERSPITALGASSE 6/A-1090  
VIENNA//AUSTRIA//; UNIV VIENNA, VIRCC, INST IMMUNOL/VIENNA//AUSTRIA//;  
ALLERGIEAMBULATORIUM RENNWEG/VIENNA//AUSTRIA/  
Journal: PEDIATRIC ALLERGY AND IMMUNOLOGY, 1996, V7, N2 (MAY), P75-82  
ISSN: 0905-6157  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/62 (Item 7 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15062591 Genuine Article#: VG370 No. References: 40  
Title: MUC1-SPECIFIC TARGETING IMMUNOTHERAPY WITH BISPECIFIC  
**ANTIBODIES** - INHIBITION OF XENOGRAFTED HUMAN BILE-DUCT CARCINOMA  
GROWTH  
Author(s): KATAYOSE Y; KUDO T; SUZUKI M; SHINODA M; SAIJYO S; SAKURAI N;  
SAEKI H; FUKUHARA K; IMAI K; MATSUNO S  
Corporate Source: TOHOKU UNIV, INST DEV AGING & CANC, AOBA KU, 4-1  
SEIRYOMACHI/SENDAI/MIYAGI 98077/JAPAN//; TOHOKU UNIV, INST DEV AGING &  
CANC, AOBA KU/SENDAI/MIYAGI 98077/JAPAN//; SAPPORO MED UNIV, SCH MED, DEPT  
INTERNAL MED, CHUOKU/SAPPORO/HOKKAIDO 060/JAPAN//; TOHOKU UNIV, SCH  
MED, DEPT SURG 1, AOBA KU/SENDAI/MIYAGI 98077/JAPAN/  
Journal: CANCER RESEARCH, 1996, V56, N18 (SEP 15), P4205-4212  
ISSN: 0008-5472  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/63 (Item 8 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15001330 Genuine Article#: VC337 No. References: 57  
Title: DIFFERENTIATION AND STABILITY OF T-HELPER-1 AND T-HELPER-2 CELLS  
DERIVED FROM NAIVE HUMAN NEONATAL CD4(+) T-CELLS ANALYZED AT THE  
SINGLE-CELL LEVEL  
Author(s): SORNASSE T; LARENAS PV; DAVIS KA; DEVRIES JE; YSSEL H  
Corporate Source: DNAX RES INST MOL & CELLULAR BIOL INC, DEPT HUMAN  
IMMUNOL, 901 CALIF AVE/PALO ALTO//CA/94304; DNAX RES INST MOL & CELLULAR  
BIOL INC, DEPT HUMAN IMMUNOL/PALO ALTO//CA/94304; BECTON DICKINSON  
IMMUNOCYTOMETRY SYST/SAN JOSE//CA/95131  
Journal: JOURNAL OF EXPERIMENTAL MEDICINE, 1996, V184, N2 (AUG 1), P473-483  
ISSN: 0022-1007  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/64 (Item 9 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14906917 Genuine Article#: UV729 No. References: 16  
Title: CYTOKINE-INDEPENDENT PROLIFERATION OF IL-2-NONPRODUCING CTL CLONES  
IN ASSOCIATION WITH HIGH TCR-SIGNAL TRANSDUCTION RESPONSES  
Author(s): NAGASE F; LWIN T; NAKASHIMA I  
Corporate Source: NAGOYA UNIV, COLL MED TECHNOL, DEPT MED TECHNOL, HIGASHI  
KU, 1-20 DAIKOMINAMI-1-CHOME/NAGOYA/AICHI 461/JAPAN//; NAGOYA UNIV, SCH  
MED, DEPT IMMUNOL/NAGOYA/AICHI 461/JAPAN/  
Journal: MICROBIOLOGY AND IMMUNOLOGY, 1996, V40, N7, P505-511  
ISSN: 0385-5600  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/65 (Item 10 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1997 Inst for Sci Info. All rts. reserv.

14678415    Genuine Article#: UD846    No. References: 51  
Title: EXPANDED CD4(+)CD45RO(+) PHENOTYPE AND DEFECTIVE PROLIFERATIVE  
      RESPONSE IN T-LYMPHOCYTES FROM PATIENTS WITH CROHNS-DISEASE  
Author(s): ROMAN LI; MANZANO L; DELAHERA A; ABREU L; ROSSI I; ALVAREZMON M  
Corporate Source: UNIV ALCALA DE HENARES,DEPT MED,CARRETERA MADRID  
      BARCELONA,KM 33600/E-28871 ALCALA DE HENARES/MADRID/SPAIN/; UNIV ALCALA  
      DE HENARES,PRINCIPE ASTURIAS HOSP,DEPT MED/MADRID//SPAIN/; CSIC,CTR  
      INVEST BIOL/MADRID//SPAIN/; UNIV AUTONOMA MADRID,DEPT  
      GASTROENTEROL,PUERTA HIERRO HOSP/MADRID//SPAIN/  
Journal: GASTROENTEROLOGY, 1996, V110, N4 (APR), P1008-1019  
ISSN: 0016-5085  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

4/3/66        (Item 11 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14671721    Genuine Article#: UD138    No. References: 68  
Title: COMPARISON OF CD28-B7.1 AND B7.2 FUNCTIONAL INTERACTION IN  
      RESTING HUMAN T-CELLS - PHOSPHATIDYLINOSITOL 3-KINASE ASSOCIATION TO  
      CD28 AND CYTOKINE PRODUCTION  
Author(s): GHIOTTORAGUENEAU M; BATTIFORA M; TRUNEH A; WATERFIELD MD; OLIVE  
      D  
Corporate Source: INSERM,U119,27 BD LEI ROURE/F-13009 MARSEILLE//FRANCE/;  
      INSERM,U119/F-13009 MARSEILLE//FRANCE/; SMITHKLINE BEECHAM  
      PHARMACEUT/KING OF PRUSSIA//PA/19406; LUDWIG INST CANC RES/LONDON W1P  
      8BT//ENGLAND/  
Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1996, V26, N1 (JAN), P34-41  
ISSN: 0014-2980  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

4/3/67        (Item 12 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14665953    Genuine Article#: UE192    No. References: 45  
Title: COSTIMULATION OF IL-4 PRODUCTION BY MURINE B7-1 AND B7-2 MOLECULES  
Author(s): NATESAN M; RAZIWOLF Z; REISER H  
Corporate Source: DANA FARBER CANC INST,DIV LYMPHOCYTE BIOL,44 BINNEY  
      ST/BOSTON//MA/02115; DANA FARBER CANC INST,DIV LYMPHOCYTE  
      BIOL/BOSTON//MA/02115; HARVARD UNIV,SCH MED,DEPT  
      PATHOL/BOSTON//MA/02115  
Journal: JOURNAL OF IMMUNOLOGY, 1996, V156, N8 (APR 15), P2783-2791  
ISSN: 0022-1767  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

4/3/68        (Item 13 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14661576    Genuine Article#: UC823    No. References: 57  
Title: EFFECT OF STAPHYLOCOCCAL-ENTEROTOXIN B-INDUCED ANERGY ON CYTOKINE  
      GENE-EXPRESSION - ANERGY-SENSITIVE AND RESISTANT MESSENGER-RNA  
      EXPRESSION  
Author(s): KOIDE Y; UCHIJIMA M; YOSHIDA A; YOSHIDA TO  
Corporate Source: HAMAMATSU UNIV,SCH MED,DEPT MICROBIOL & IMMUNOL,3600  
      HANDA CHO/HAMAMATSU/SHIZUOKA 43131/JAPAN/  
Journal: JOURNAL OF INTERFERON AND CYTOKINE RESEARCH, 1996, V16, N3 (MAR)  
      , P225-236  
ISSN: 1079-9907

4/3/69 (Item 14 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14607443 Genuine Article#: TZ850 No. References: 53  
Title: CHARACTERIZATION OF A NOVEL COSTIMULATORY MOLECULE - A 155-160 KD  
B-CELL SURFACE PROTEIN PROVIDES ACCESSORY HELP TO CD4(+) T-CELLS TO  
PROLIFERATE AND DIFFERENTIATE  
Author(s): VINAY DS; RAJE M; MISHRA GC  
Corporate Source: INST MICROBIAL TECHNOL,SECTOR 39A/CHANDIGARH  
160014//INDIA//; INST MICROBIAL TECHNOL/CHANDIGARH 160014//INDIA/  
Journal: MOLECULAR IMMUNOLOGY, 1996, V33, N1 (JAN), P1-14  
ISSN: 0161-5890  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/70 (Item 15 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
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14580468 Genuine Article#: TZ281 No. References: 41  
Title: DEFICIENT CD4(+) T-CELL PROLIFERATION IN THE CLASS-I MHC-RESTRICTED  
2C TCR-TRANSGENIC MOUSE  
Author(s): CHEN FL; KUNG JT  
Corporate Source: ACAD SINICA,INST MOLEC BIOL/TAIPEI 115//TAIWAN//; ACAD  
SINICA,INST MOLEC BIOL/TAIPEI 115//TAIWAN//; NATL TAIWAN UNIV,COLL  
MED,GRAD INST IMMUNOL/TAIPEI 10764//TAIWAN/  
Journal: JOURNAL OF IMMUNOLOGY, 1996, V156, N6 (MAR 15), P2036-2044  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/71 (Item 16 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14573576 Genuine Article#: TX815 No. References: 40  
Title: IN-SITU CYTOKINE PRODUCTION BY BREAST-CANCER TUMOR-INFILTRATING  
LYMPHOCYTES  
Author(s): CAMP BJ; DYHRMAN ST; MEMOLI VA; MOTT LA; BARTH RJ  
Corporate Source: DARTMOUTH COLL,HITCHCOCK MED CTR,DEPT SURG,1 MED CTR  
DR/LEBANON//NH/03756; DARTMOUTH COLL,HITCHCOCK MED CTR,DEPT  
SURG/LEBANON//NH/03756; DARTMOUTH COLL,HITCHCOCK MED CTR,DEPT  
PATHOL/LEBANON//NH/03756; DARTMOUTH COLL,HITCHCOCK MED CTR,DEPT  
COMMUNITY& FAMILY MED BIostat/LEBANON//NH/03756; DARTMOUTH  
COLL,HITCHCOCK MED CTR,DEPT BIOL/LEBANON//NH/03756; NORRIS COTTON CANC  
CTR/LEBANON//NH/00000  
Journal: ANNALS OF SURGICAL ONCOLOGY, 1996, V3, N2 (MAR), P176-184  
ISSN: 1068-9265  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/72 (Item 17 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14495530 Genuine Article#: TR604 No. References: 33  
Title: BETA-CHEMOKINES COSTIMULATE LYMPHOCYTE CYTOLYSIS, PROLIFERATION, AND  
LYMPHOKINE PRODUCTION  
Author(s): TAUB DD; ORTALDO JR; TURCOVSKICORRALES SM; KEY ML; LONGO DL;  
MURPHY WJ  
Corporate Source: NCI,FREDERICK CANC RES & DEV CTR,SAIC FREDERICK,SERV CLIN

PROGRAM, BLDG 560, ROOM 11-23/FREDERICK//MD/21702; NCI, FREDERICK CANC RES & DEV CTR, SAIC FREDERICK, BIOL CARCINOGENESIS & DEV PROGRAM/FREDERICK//MD/21702; NCI, FREDERICK CANC RES & DEV CTR, EXPTL IMMUNOL LAB/FREDERICK//MD/21702; NCI, FREDERICK CANC RES & DEV CTR, BIOL RESPONSE MODIFIERS PROGRAM/FREDERICK//MD/21702

Journal: JOURNAL OF LEUKOCYTE BIOLOGY, 1996, V59, N1 (JAN), P81-89  
ISSN: 0741-5400  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/73 (Item 18 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14480812 Genuine Article#: TQ489 No. References: 31  
Title: TYPE-1 AND TYPE-2 CD8(+) T-CELL SUBSETS ISOLATED FROM CHRONIC ADULT PERIODONTITIS TISSUE DIFFER IN SURFACE PHENOTYPE AND BIOLOGICAL FUNCTIONS  
Author(s): WASSENAAR A; REINHARDUS C; ABRAHAMINPIJN L; KIEVITS F  
Corporate Source: ACAD CTR DENT AMSTERDAM, WORKGRP IMMUNOL, DEPT GEN PATHOL & INTERNAL MED, MEIBERGDREEF 15 BLDG L355/1105 AZ AMSTERDAM//NETHERLANDS/; UNIV AMSTERDAM, ACAD MED CTR, CELL BIOL & HISTOL LAB/1105 AZ AMSTERDAM//NETHERLANDS/  
Journal: IMMUNOLOGY, 1996, V87, N1 (JAN), P113-118  
ISSN: 0019-2805  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/74 (Item 19 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14386820 Genuine Article#: TH982 No. References: 53  
Title: HUMAN LUNG MAST-CELL IL-5 GENE AND PROTEIN EXPRESSION - TEMPORAL ANALYSIS OF UP-REGULATION FOLLOWING IGE-MEDIATED ACTIVATION  
Author(s): JAFFE JS; GLAUM MC; RAIBLE DG; POST TJ; DIMITRY E; GOVINDARAO D; WANG YH; SCHULMAN ES  
Corporate Source: HAHNEMANN UNIV, DIV ALLERGY & IMMUNOL, DEPT MED/PHILADELPHIA//PA/19102; HAHNEMANN UNIV, DEPT MED, DIV PULM & CRIT CARE MED/PHILADELPHIA//PA/19102  
Journal: AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY, 1995, V13, N6 (DEC), P665-675  
ISSN: 1044-1549  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/75 (Item 20 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14362719 Genuine Article#: TF842 No. References: 33  
Title: CD44 PLAYS A COSTIMULATORY ROLE IN MURINE T-CELL ACTIVATION - LIGATION OF CD44 SELECTIVELY CO-STIMULATES IL-2 PRODUCTION, BUT NOT PROLIFERATION IN TCR-STIMULATED MURINE T(H)1 CELLS  
Author(s): SOMMER F; HUBER M; ROLLINGHOFF M; LOHOFF M  
Corporate Source: UNIV ERLANGEN NURNBERG, INST CLIN MICROBIOL, WASSERTURMSTR 3/D-91054 ERLANGEN//GERMANY/  
Journal: INTERNATIONAL IMMUNOLOGY, 1995, V7, N11 (NOV), P1779-1786  
ISSN: 0953-8178  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/76 (Item 21 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14330395    Genuine Article#: TE206    No. References: 45  
Title: SELECTIVE RESTIMULATION OF ANTIGEN OR ALLERGEN PREACTIVATED T-CELLS  
      USING OKT3 F(AB) (2) RESULTS IN THE SECRETION OF **TH-1** OR  
      **TH-2**-LIKE CYTOKINE PATTERNS  
Author(s): JUTEL M; WYSSCORAY T; CARBALLIDO JM; BLASER K; MULLER UR;  
          PICHLER WJ  
Corporate Source: INSELSPITAL BERN, INST IMMUNOL ALLERGOL/CH-3010  
          BERN//SWITZERLAND//; ZIEGLERSPITAL BERN/BERN//SWITZERLAND//; INSELSPITAL  
          BERN, INST CLIN IMMUNOL/CH-3010 BERN//SWITZERLAND//; SWISS INST ALLERGY &  
          ASTHMA RES/CH-7270 DAVOS//SWITZERLAND/  
Journal: CLINICAL AND EXPERIMENTAL ALLERGY, 1995, V25, N11 (NOV), P  
          1108-1117  
ISSN: 0954-7894  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

4/3/77        (Item 22 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14218681    Genuine Article#: RX039    No. References: 18  
Title: ANTI-**CD3**-INDUCED ANERGY IN CLONED HUMAN **TH-0**, **TH-1**  
      , AND **TH-2** CELLS  
Author(s): NGUYEN DD; BECK L; SPIEGELBERG HL  
Corporate Source: UNIV CALIF SAN DIEGO, SCH MED, DEPT PEDIAT, DIV PEDIAT  
          IMMUNOL & ALLERGY/LA JOLLA//CA/92093  
Journal: CELLULAR IMMUNOLOGY, 1995, V165, N1 (OCT 1), P153-157  
ISSN: 0008-8749  
Language: ENGLISH    Document Type: NOTE    (Abstract Available)

4/3/78        (Item 23 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13834549    Genuine Article#: QU531    No. References: 42  
Title: SUPERANTIGEN-INDUCED PERIPHERAL T-CELL DELETION - THE EFFECTS OF  
      CHEMICAL MODIFICATION OF ANTIGEN-PRESENTING CELLS, INTERLEUKIN-4 AND  
      GLUCOCORTICOID HORMONES  
Author(s): AYROLDI E; CANNARILE L; DADAMIO F; RICCARDI C  
Corporate Source: UNIV PERUGIA, SCH MED, INST PHARMACOL, DEPT CLIN MED PATHOL  
          & PHARMACOL/I-06100 PERUGIA//ITALY/  
Journal: IMMUNOLOGY, 1995, V84, N4 (APR), P528-535  
ISSN: 0019-2805  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

4/3/79        (Item 24 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13819369    Genuine Article#: QT398    No. References: 43  
Title: LACK OF T-CELL TOLERANCE IN MICE EXPOSED TO A PROTEIN ANTIGEN  
      THROUGH LACTATION  
Author(s): RYELANDT M; DEWIT D; VANMECHELEN M; VANSANTEN G; URBAIN J; LEO O  
Corporate Source: FREE UNIV BRUSSELS, PHYSIOL ANIM LAB/B-1640 RHODE ST  
          GENESE//BELGIUM/  
Journal: CELLULAR IMMUNOLOGY, 1995, V162, N1 (APR 15), P89-96  
ISSN: 0008-8749  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

4/3/80        (Item 25 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1997 Inst for Sci Info. All rts. reserv.

13794642    Genuine Article#: QR968    No. References: 44  
Title: DIFFERENTIAL MODULATION OF **TH1**-RELATED AND **TH2**-RELATED  
CYTOKINE MESSENGER-RNA EXPRESSION BY A SYNTHETIC PEPTIDE HOMOLOGOUS TO  
A CONSERVED DOMAIN WITHIN RETROVIRAL ENVELOPE PROTEIN  
Author(s): HARAGUCHI S; GOOD RA; JAMESYARISH M; CIANCIOLO GJ; DAY NK  
Corporate Source: UNIV S FLORIDA, COLL MED, ALL CHILDRENS HOSP, DEPT PEDIAT/ST  
PETERSBURG//FL/33701; UNIV S FLORIDA, COLL MED, ALL CHILDRENS  
HOSP, DEPT PEDIAT/ST PETERSBURG//FL/33701; MACRONEX  
INC/MORRISVILLE//NC/27560  
Journal: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED  
STATES OF AMERICA, 1995, V92, N8 (APR 11), P3611-3615  
ISSN: 0027-8424  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

4/3/81        (Item 26 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13706114    Genuine Article#: QJ199    No. References: 8  
Title: EMERGENCE OF **TH2**-LIKE CELLS AFTER ANTI-**CD3** MONOCLONAL-  
**ANTIBODY** ADMINISTRATION IN MICE  
Author(s): WISSING M; ALEGRE ML; ABRAMOWICZ D; WILLEMS F; DONCKIER V;  
VANDERHAEGHEN ML; LEO O; GOLDMAN M  
Corporate Source: HOP ERASME, 808 ROUTE LENNIK/B-1070 BRUSSELS//BELGIUM/;  
HOP ERASME/B-1070 BRUSSELS//BELGIUM/; FREE UNIV  
BRUSSELS, LPREB/BRUSSELS//BELGIUM/  
Journal: TRANSPLANTATION PROCEEDINGS, 1995, V27, N1 (FEB), P378-379  
ISSN: 0041-1345  
Language: ENGLISH    Document Type: ARTICLE

4/3/82        (Item 27 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13676179    Genuine Article#: QG209    No. References: 40  
Title: INDUCTION OF B-CELL APOPTOSIS BY **TH0**, BUT NOT **TH2**, **CD4**(+)  
**T-CELLS**  
Author(s): HE XW; ZHONG WY; GORONZY JJ; WEYAND CM  
Corporate Source: MAYO CLIN & MAYO FDN, DIV RHEUMATOL, 401 GUGGENHEIM  
BLDG, 200 1ST ST SW/ROCHESTER//MN/55905; MAYO CLIN & MAYO FDN, DIV  
RHEUMATOL/ROCHESTER//MN/55905  
Journal: JOURNAL OF CLINICAL INVESTIGATION, 1995, V95, N2 (FEB), P564-570  
ISSN: 0021-9738  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

4/3/83        (Item 28 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13598707    Genuine Article#: QA808    No. References: 77  
Title: STIMULATION VIA THE **CD28** MOLECULE - REGULATION OF SIGNALING,  
CYTOKINE PRODUCTION AND CYTOKINE RECEPTOR EXPRESSION  
Author(s): OLIVE D; PAGES F; KLASSEN S; BATTIFORA M; COSTELLO R; NUNES J;  
TRUNEH A; RAGUENEAU M; MARTIN Y; IMBERT J; BIRG F; MAWAS C; BAGNASCO M;  
CERDAN C  
Corporate Source: INSERM, U119, 27 BD LEI ROURE/F-13009 MARSEILLE//FRANCE/;  
IMPERIAL CANC RES FUND, LYMPHOCYTE ACTIVAT LAB/LONDON WC2A 3P//ENGLAND/;  
SMITH KLINE BEECHAM PHARMACEUT/KING OF PRUSSIA//PA/19406; UNIV  
GENOA, DIMI/I-16132 GENOA//ITALY/  
Journal: FUNDAMENTAL AND CLINICAL IMMUNOLOGY, 1994, V2, N4 (DEC), P185-197



ISSN: \*\*\*\*-\*\*\*\*

Language: ENGLISH Document Type: REVIEW (Abstract Available)

4/3/84 (Item 29 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
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13574249 Genuine Article#: PZ242 No. References: 60  
Title: CO-STIMULATION BY ANTIIMMUNOGLOBULIN IS REQUIRED FOR B-CELL  
ACTIVATION BY CD40L(LOW) T-CELLS  
Author(s): POUDRIER J; OWENS T  
Corporate Source: MCGILL UNIV,MONTREAL NEUROL INST,NEUROIMMUNOL UNIT,3801  
UNIV ST/MONTREAL/PQ H3A 2B4/CANADA/; MCGILL UNIV,DEPT  
MED/MONTREAL/PQ/CANADA/; MCGILL UNIV,DEPT MICROBIOL &  
IMMUNOL/MONTREAL/PQ/CANADA/; MCGILL UNIV,DEPT NEUROL &  
NEUROSURG/MONTREAL/PQ/CANADA/  
Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1994, V24, N12 (DEC), P2993-2999  
ISSN: 0014-2980  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/85 (Item 30 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13393646 Genuine Article#: PK162 No. References: 40  
Title: IN-VITRO INDUCTION OF T-CELL ANERGY BY BLOCKING B7 AND EARLY T-CELL  
COSTIMULATORY MOLECULE ETC-1 B7-2  
Author(s): CHEN CY; NABAVI N  
Corporate Source: HOFFMANN LA ROCHE INC,ROCHE RES CTR,DEPT INFLAMMAT &  
AUTOIMMUNE DIS/NUTLEY//NJ/07110  
Journal: IMMUNITY, 1994, V1, N2 (MAY), P147-154  
ISSN: 1074-7613  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/86 (Item 31 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
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13391403 Genuine Article#: PJ703 No. References: 47  
Title: TH2 CELL CLONAL ANERGY AS A CONSEQUENCE OF PARTIAL ACTIVATION  
Author(s): SLOANLANCASTER J; EVAVOLD BD; ALLEN PM  
Corporate Source: WASHINGTON UNIV,SCH MED,DEPT PATHOL/ST LOUIS//MO/63110;  
WASHINGTON UNIV,SCH MED,DEPT PATHOL/ST LOUIS//MO/63110  
Journal: JOURNAL OF EXPERIMENTAL MEDICINE, 1994, V180, N4 (OCT 1), P  
1195-1205  
ISSN: 0022-1007  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/87 (Item 32 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13344150 Genuine Article#: PG896 No. References: 69  
Title: SUBSET OF CD4+ T-CELL CLONES EXPRESSING IL-3 RECEPTOR ALPHA-CHAINS  
USES IL-3 AS A COFACTOR IN AUTOCRINE GROWTH  
Author(s): MUELLER DL; CHEN ZM; SCHWARTZ RH; GORMAN DM; KENNEDY MK  
Corporate Source: UNIV MINNESOTA,SCH MED,DEPT MED,RHEUMATOL SECT,BOX 108  
UMHC/MINNEAPOLIS//MN/55455; NIAID,CELLULAR & MOLEC IMMUNOL  
LAB/BETHESDA//MD/20892; DNAX RES INST MOLEC & CELLULAR BIOL INC/PALO  
ALTO//CA/94304; IMMUNEX RES & DEV CORP/SEATTLE//WA/98101  
Journal: JOURNAL OF IMMUNOLOGY, 1994, V153, N7 (OCT 1), P3014-3027

ISSN: 0022-1767

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/88 (Item 33 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13148923 Genuine Article#: NT243 No. References: 59  
Title: INDUCTION OF ENERGY IN RESTING HUMAN T-LYMPHOCYTES BY IMMOBILIZED  
ANTI-CD3 ANTIBODIES  
Author(s): WOLF H; MULLER Y; SALMEN S; WILMANNS W; JUNG G  
Corporate Source: KLIN HAMATOL,MARCHIONINISTR 15/D-81377 MUNICH//GERMANY//;  
UNIV MUNICH,KLINIKUM GROSSHADERN,MED KLIN 3,RATIONALE IMMUNOTHERAPIE  
LABOR/MUNICH//GERMANY//; GSF FORSCHUNGSZENTRUM UMWELT & GESUNDHEIT,INST  
KLIN HAMATOL/MUNICH//GERMANY/  
Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1994, V24, N6 (JUN), P1410-1417  
ISSN: 0014-2980  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/89 (Item 34 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13035577 Genuine Article#: NK925 No. References: 43  
Title: 2ND SIGNAL ACTIVITY OF IL-12 ON THE PROLIFERATION AND IL-2R  
EXPRESSION OF T-HELPER CELL-1 CLONE  
Author(s): YANAGIDA T; KATO T; IGARASHI O; INOUE T; NARIUCHI H  
Corporate Source: UNIV TOKYO,INST MED SCI,DEPT ALLERGOL,MINATO KU,4-6-1  
SHIROGANEDAI/TOKYO 108//JAPAN//; UNIV TOKYO,INST MED SCI,DEPT  
ALLERGOL,MINATO KU/TOKYO 108//JAPAN/  
Journal: JOURNAL OF IMMUNOLOGY, 1994, V152, N10 (MAY 15), P4919-4928  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/90 (Item 35 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

12948191 Genuine Article#: NC777 No. References: 61  
Title: CD4(POS), NK1.1(POS) T-CELLS PROMPTLY PRODUCE INTERLEUKIN-4 IN  
RESPONSE TO IN-VIVO CHALLENGE WITH ANTI-CD3  
Author(s): YOSHIMOTO T; PAUL WE  
Corporate Source: NIAID,IMMUNOL LAB,BLDG 10,RM 11N311/FREDERICK//MD/21701;  
NIAID,IMMUNOL LAB,BLDG 10,RM 11N311/FREDERICK//MD/21701  
Journal: JOURNAL OF EXPERIMENTAL MEDICINE, 1994, V179, N4 (APR 1), P  
1285-1295  
ISSN: 0022-1007  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/91 (Item 36 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

12927152 Genuine Article#: NC773 No. References: 61  
Title: SELECTIVE EXPANSION OF CYTOTOXIC T-LYMPHOCYTES WITH A CD4(+)CD56(+) SURFACE PHENOTYPE AND A T-HELPER TYPE-1 PROFILE OF CYTOKINE SECRETION IN THE LIVER OF PATIENTS CHRONICALLY INFECTED WITH HEPATITIS-B VIRUS  
Author(s): BARNABA V; FRANCO A; PAROLI M; BENVENUTO R; DEPETRILLO G; BURGIO VL; SANTILIO I; BALSANO C; BONAVITA MS; CAPPELLI G; COLIZZI V; CUTRONA C; FERRARINI M  
Corporate Source: POLICLIN UMBERTO 1,IST CLIN MED GEN & TERAPIA MED 1,VIALE

POLICLIN 155/I-00161 ROME//ITALY//; UNIV ROMA LA SAPIENZA, MOLEC &  
CELLULAR IMMUNOL UNIT/ROME//ITALY//; UNIV ROMA LA SAPIENZA, FDN A  
CESALPINO, GENET EXPRESS UNIT/ROME//ITALY//; UNIV ROMA LA SAPIENZA, INST  
CLIN MED/ROME//ITALY//; UNIV ROMA TOR VERGATA, DEPT BIOL/ROME//ITALY//;  
IST, NATL INST CANC RES, CLIN IMMUNOL LAB/GENOA//ITALY/  
Journal: JOURNAL OF IMMUNOLOGY, 1994, V152, N6 (MAR 15), P3074-3087  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/92 (Item 37 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
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12667595 Genuine Article#: MD626 No. References: 34  
Title: SIGNALING VIA **CD28** COSTIMULATES LYMPHOKINE PRODUCTION, BUT  
DOES NOT REVERSE UNRESPONSIVENESS TO INTERLEUKIN-2 IN ANTI-**CD3**  
TRIGGERED T(H)1 CELLS  
Author(s): SOMMER F; ROLLINGHOFF M; LOHOFF M  
Corporate Source: UNIV ERLANGEN NURNBERG, INST KLIN MIKROBIOL, WASSERTURMSTR  
3/D-91054 ERLANGEN//GERMANY/  
Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1993, V23, N10 (OCT), P2498-2502  
ISSN: 0014-2980  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/93 (Item 38 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

12344031 Genuine Article#: LD916 No. References: 61  
Title: DIRECT EFFECTS OF IL-10 ON SUBSETS OF HUMAN CD4+ T-CELL CLONES AND  
RESTING T-CELLS - SPECIFIC-INHIBITION OF IL-2 PRODUCTION AND  
PROLIFERATION  
Author(s): MALEFYT RD; YSSEL H; DEVRIES JE  
Corporate Source: DNAX RES INST MOLEC & CELLULAR BIOL INC, DEPT HUMAN  
IMMUNOL, 901 CALIF AVE/PALO ALTO//CA/94304  
Journal: JOURNAL OF IMMUNOLOGY, 1993, V150, N11 (JUN 1), P4754-4765  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/94 (Item 39 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11265179 Genuine Article#: GW090 No. References: 26  
Title: **TH1** LYMPHOKINE PRODUCTION PROFILES OF NICKEL-SPECIFIC CD4+  
LYMPHOCYTE-T CLONES FROM NICKEL CONTACT ALLERGIC AND NONALLERGIC  
INDIVIDUALS  
Author(s): KAPSENBERG ML; WIERENGA EA; STIEKEMA FEM; TIGGELMAN AMBC; BOS JD  
Corporate Source: UNIV AMSTERDAM, ACAD MED CTR, CELL BIOL & HISTOL  
LAB, MEIBERGDREEF 15/1105 AZ AMSTERDAM//NETHERLANDS//; UNIV  
AMSTERDAM, ACAD MED CTR, DEPT DERMATOL/1105 AZ AMSTERDAM//NETHERLANDS/  
Journal: JOURNAL OF INVESTIGATIVE DERMATOLOGY, 1992, V98, N1 (JAN), P59-63  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/95 (Item 40 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11152610 Genuine Article#: GL580 No. References: 50  
Title: HUMAN ATOPEN-SPECIFIC TYPE-1 AND TYPE-2 T-HELPER CELL CLONES  
Author(s): WIERENGA EA; SNOEK M; JANSSEN HM; BOS JD; VANLIER RAW; KAPSENBERG

ML

Corporate Source: UNIV AMSTERDAM,ACAD MED CTR,DEPT CELL BIOL &  
HISTOL,MEIBERG DREEF 15/1105 AZ AMSTERDAM//NETHERLANDS//; UNIV  
AMSTERDAM,ACAD MED CTR,DEPT PULM/1105 AZ AMSTERDAM//NETHERLANDS//; UNIV  
AMSTERDAM,ACAD MED CTR,DEPT DERMATOL/1105 AZ AMSTERDAM//NETHERLANDS//;  
NETHERLANDS RED CROSS,BLOOD TRANSFUS SERV,CENT  
LAB/AMSTERDAM//NETHERLANDS/

Journal: JOURNAL OF IMMUNOLOGY, 1991, V147, N9, P2942-2949

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

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Set	Items	Description
S1	27951	TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W) (2 OR 3))
S2	374	S1 AND CD3 AND CD28
S3	178	RD (unique items)
S4	95	S3 AND ANTIBOD?

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19nov97 09:32:38 User219509 Session D697.4

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\$39.15 27 Type(s) in Format 3

\$39.15 27 Types

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\$0.00 Estimated cost File140

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\$0.00 Estimated cost File143

\$1.98 0.044 Hrs File144

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 \$7.63 Estimated cost File351  
 OneSearch, 47 files, 0.283 Hrs FileOS  
 \$177.54 Estimated cost this search  
 \$177.57 Estimated total session cost 0.295 Hrs.

File 351:DERWENT WPI 1963-1997/UD=9745;UP=9742;UM=9740

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\*File 351: See HELP NEWS FAQ 351 for reload information.

British applications now updated faster-See HELP NEWS 351

Set	Items	Description
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>>>No sets currently exist

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Processing

297 TH1  
 22719 TH  
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 58 TH(W)1  
 188 TH2  
 65 TH3

22719 TH

3101241 2

2620209 3

54 TH(W)(2 OR 3)

S1 463 TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W)(2 OR 3))

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463 S1

193 CD3

S2 0 S1 AND CD3

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463 S1

22 OKT3

S3 0 S1 AND OKT3

? s s1 and anticd3

463 S1

1 ANTICD3

S4 0 S1 AND ANTICD3

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463 S1

281745 T

169059 CELL

102462 CELLS

2585 T(W)(CELL OR CELLS)

S5 21 S1 AND (T(W)(CELL OR CELLS))

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5/9/1

DIALOG(R)File 351:DERWENT WPI

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011492732

WPI Acc No: 97-470645/199743

XRAM Acc No: C97-149551

Enhancing an immune response by using dialdehyde compounds - as crosslinkers and immunostimulatory agents, useful against antigens, cancers, tumours or infections caused by pathogens

Patent Assignee: IMMUNOTHERAPY INC (IMMU-N); YEDA RES & DEV CO LTD (YEDA )

Inventor: EISENTHAL A; GELBER C; GONENNE A; SHINITZKY M

Number of Countries: 074 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9733612	A1	19970918	WO 97US3916	A	19970313	A61K-039/00	199743 B

Priority Applications (No Type Date): US 97803764 A 19970221; US 96616834 A 19960315

Cited Patents: 3. journal ref.; EP 615758; WO 9625664

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9733612	A1	E	106			

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

Abstract (Basic): WO 9733612 A

Enhancing an immune response against an antigen associated with a cancer, a tumour or an infection caused by a pathogen comprises a dialdehyde compound and the antigen component.

Also claimed are: (1) an immunogenic composition for enhancing or augmenting an immune response against cancer cells, tumour cells, or cells infected with a pathogen, which comprises antigen-presenting cells (APCs) exposed to a 2', 3' nucleotide or nucleoside dialdehyde crosslinker and to hydrostatic pressure, where the crosslinker and pressure-treated APCs are antigen activated by: (a) co-culturing with intact cancer, tumour or infected cells or membranes; or (b) pulsing with at least one antigen associated with the cancer, tumour or infected cells, thereby resulting in antigen processing and expression by the crosslinker and pressure-treated APCs; (2) a method for reducing or alleviating a DNA or RNA virus infection which comprises administering (1); (3) a method for reducing or alleviating a bacterial infection which comprises administering (1); (4) a method for preparing a immunogenic composition for enhancing or increasing an immune response against an a antigen associated with a tumour, a cancer or an infectious disease-causing pathogen, comprising: (a) mixing a dialdehyde with the antigen to chemically bind the dialdehyde to the antigen by means of a first aldehyde group of the dialdehyde and to generate an unbound aldehyde group of the dialdehyde, to form a dialdehyde and antigen composition; and (b) washing unbound dialdehyde from the composition.; (5) a method for eliciting a **T cell** immune response against antigens associated with cancer, tumour or infected cells, comprising: (a) exposing APCs to cancer, tumour or infected cell-associated antigens to achieve specific antigen presentation and activation by the APCs; (b) incubating the antigen-activated APCs with a 2', 3' nucleotide or nucleoside dialdehyde crosslinker to crosslink cell membrane components and to generate monoaldehyde groups on the cell surface; (c) treating the APCs of step (b) with hydrostatic pressure to modify the plasma membranes of the cells and preserve the formation of the monoaldehydes, thereby producing a population of pressure and crosslinker (PCL)-modified APCs; and (d) co-culturing the PCL-modified APCs with **T cells**, where the **T cells** have been activated to proliferate and secrete **TH1**-type cytokines by incubation with PCL-modified cancer, tumour, or infected cells expressing cancer, tumour or infected cell-associated antigens, and (6) a vaccine which comprises (1).

USE - The compositions can be used to treat viral infection caused by influenza virus, HIV, papilloma virus, hepatitis viruses A, B, C, D, E, F, and G, cytomegalovirus, polio virus, respiratory syncytial virus, herpes simplex virus, Epstein Barr virus, adenovirus, rhinovirus, rabies virus, foot and mouth disease virus, equine flu, feline immunodeficiency, feline leukaemia viruses and bacterial infections caused by Bordetella pertussis, Clostridium tetani, Neisseria meningitidis, N. gonorrhea, Staphylococcus aureus, Streptococcus pneumoniae, Haemophilus influenzae, Corynebacterium diphtheriae, Pseudomonas aeruginosa, Vibrio cholerae, Escherichia coli, Bacillus subtilis, Campylobacter jejuni or C. pylori (claimed). The dialdehydes function as immunostimulatory and immunopotentiating molecules and as costimulatory adjuvants in the production of potent immunogens and vaccines. The compositions can be used alone or in combination for reducing or alleviating tumours or cancers or infection with viruses, bacteria, parasites, protozoa, yeast, algae or fungi.

ADVANTAGE - The presentation of immunologically important molecules on cell surfaces is enhanced. The dialdehydes are effective over a wide range of concentrations e.g. from nanomolar to mM concentrations.

Dwg.0/16

Title Terms: ENHANCE; IMMUNE; RESPOND; COMPOUND; CROSSLINK; AGENT; USEFUL; ANTIGEN; CANCER; TUMOUR; INFECT; CAUSE; PATHOGEN

Derwent Class: B02; B03; B04; D16

International Patent Class (Main): A61K-039/00

International Patent Class (Additional): A61K-039/02; A61K-039/12;

A61K-039/39

File Segment: CPI

Manual Codes (CPI/A-N): B04-B03B; B14-A01; B14-A02; B14-A03; B14-A04;

B14-G01; D05-H07; D05-H10

5/9/2

DIALOG(R)File 351:DERWENT WPI

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011456847

WPI Acc No: 97-434754/199740

XRAM Acc No: C97-139408

Use of DNA encoding a variable region of a **T cell** receptor -  
to reduce **Th1**-type **T cell** response to treat, e.g.  
demyelinating autoimmune disease

Patent Assignee: UNIV LELAND STANFORD JUNIOR (STRD )

Inventor: STEINMAN L; WAISMAN A

Number of Countries: 020 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9730587	A1	19970828	WO 97US2837	A	19970224	A01N-043/04	199740 B

Priority Applications (No Type Date): US 96606639 A 19960226

Patent Details:

Patent	Kind	Ln	Pg	Filing Notes	Application	Patent
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WO 9730587	A1	E	42			
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Designated States (National): AU CA JP

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC

NL PT SE

Abstract (Basic): WO 9730587 A

A new method for decreasing the adverse effects of a **Th1**-type **T cell** response in a mammalian host, comprises introducing into the mammalian host a DNA expression cassette comprising a sequence encoding at least a portion of a variable region of a **T cell** receptor (TCR) associated with a pro-inflammatory, **Th1**-type **T cell** response, under the regulatory control of a promoter than is active in the mammalian host, under conditions where the expression cassette is incorporated into cells of the host and the sequence is expressed; whereby **T cells** present in the



mammalian host that express a native form of the TCR variable region produce **Th2**-type cytokines, thereby decreasing the adverse effects of the **Th1**-type response.

The method can be used to decrease the adverse effects of a demyelinating autoimmune disease by injection of a DNA expression cassette encoding a TCR variable region recognising myelin basic protein, pAcl-20 (claimed). The TCR variable region prevents a pro-inflammatory T response and releases suppressive cytokines at the site of inflammation, thereby counteracting the effect of **Th-1** type cytokines. In response to the vaccination, **T** cells expression the variable region produce **Th2** cytokines, including IL-4. A pro-inflammatory response directed to an autoantigen can be suppressed by DNA vaccination.

Dwg.0/4

Title Terms: DNA; ENCODE; VARIABLE; REGION; CELL; RECEPTOR; REDUCE; TYPE; CELL; RESPOND; TREAT; AUTO; IMMUNE; DISEASE

Derwent Class: B04; D16

International Patent Class (Main): A01N-043/04

International Patent Class (Additional): A61K-031/70; C12N-015/63

File Segment: CPI

Manual Codes (CPI/A-N): B04-E02D; B04-F0200E; B04-K01; B14-C03; B14-G02D; B14-S01; D05-H07

Chemical Fragment Codes (M1):

\*01\* M423 M720 M781 M903 N135 P433 Q233 V600 V612 V753

5/9/3

DIALOG(R)File 351:DERWENT WPI

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011437167 \*\*Image available\*\*

WPI Acc No: 97-415074/199738

XRAM Acc No: C97-132854

Composition for treatment and prevention of chicken pox and shingles - contains Varicella zoster virus IE63 protein or nucleic acid encoding it  
Patent Assignee: SMITHKLINE BEECHAM BIOLOGICALS (SMIK ); UNIV LIEGE

(UYLI-N)

Inventor: RENTIER B; SADZOT C

Number of Countries: 075 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat	No Kind	Date	Main IPC	Week
WO 9728820	A1	19970814	WO 97EP520	A	19970204	A61K-039/245	199738 B

Priority Applications (No Type Date): GB 9626882 A 19961224; GB 962617 A 19960209

Cited Patents: 2. journal ref.; EP 244155; EP 405867; US 5306635

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
WO 9728820	A1	E	28				

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

Abstract (Basic): WO 9728820 A

A pharmaceutical composition comprises: (1) Varicella zoster virus IE63 protein (P), or its immunologically functional derivatives, and an excipient, or (2) nucleic acid (I) encoding IE63 or its derivatives. Also claimed is (P) for use in medicine and the method of preparing the compositions above.

The compositions may also include another varicella protein, e.g. gp I-V; IE62 or their derivatives, and an adjuvant, particularly one that induces a **Th1** type response. The preferred adjuvant is a

water-in-oil emulsion containing QS21 and 3D-MPL (3-deacylated monophosphoryl lipid A) with QS21:3D-MPL ratio 1:10-10:1 (preferably 1:1-2.5). The emulsion comprises particularly 2-10% squalene; 2-10% alpha -tocopherol and 0.3-3% 'Tween 80'. IE63 may alternatively be encapsulated in a liposome or conjugated to an immunostimulatory macromolecule, e.g. killed Bordetella cells or tetanus toxoid. A preferred second antigen is gpI in secreted form, optionally combined with IE63 in a fusion protein. The composition is prepared by mixing (P) or (I) with an adjuvant.

USE - (P) is used to manufacture a medicament for prevention or amelioration of Varicella or Zoster. The compositions are used as vaccines to prevent or treat chicken pox or shingles. Typical doses of (P) are 1-1000 (preferably 4-40) µg, optionally followed by booster doses. (I) can be injected as plasmid DNA directly into muscle or delivered in viral or other vectors, e.g. at 0.05-50 (preferably 0.1-10) mg/kg.

ADVANTAGE - IE63 is expressed during the latency period in the human nervous system, and is a major target of the **T cell** response which is activated as soon as signs of reactivation of latent virus (development of shingles) appear.

Dwg.2/4

Title Terms: COMPOSITION; TREAT; PREVENT; CHICKEN; POX; SHINGLES; CONTAIN;  
VARICELLA; ZOSTER; VIRUS; PROTEIN; NUCLEIC; ACID; ENCODE

Derwent Class: B04; D16

International Patent Class (Main): A61K-039/245

International Patent Class (Additional): C07K-014/04

File Segment: CPI

Manual Codes (CPI/A-N): B04-E01; B04-F11; B14-A02A3; B14-S11A; D05-H07;  
D05-H12

Chemical Fragment Codes (M1):

\*01\* M423 M431 M782 M903 N133 P434 Q233 Q435 V270 V274 V279 V500 V560  
V752 V753

5/9/4

DIALOG(R)File 351:DERWENT WPI

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011424407

WPI Acc No: 97-402314/199737

XRAM Acc No: C97-129749

Use of compound comprising Lewis antigen with human immune cell - to  
modulate cytokine production which regulate development of T helper cells

Patent Assignee: HARVARD COLLEGE (HARD )

Inventor: HARN D A; VELUPILLAI P

Number of Countries: 073 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9727872	A1	19970807	WO 97US1682	A	19970131	A61K-039/385	199737 B

Priority Applications (No Type Date): US 96597518 A 19960131

Cited Patents: 2. journal ref.; WO 9222565; WO 9321948

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
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WO 9727872	A1	E	66			
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ  
DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ  
VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE  
LS LU MC MW NL OA PT SD SE SZ UG

Abstract (Basic): WO 9727872 A

Use of an agent that modulates interaction of a compound,  
comprising a Lewis antigen with a human immune cell (especially a

macrophage or a **T cell**), in the preparation of a medicament for modulating production by a human immune cell (especially a macrophage or **T cell**) of at least 1 cytokine that regulates development of a T helper type 1 (**Th1**) or T helper type 2 (**Th2**) response, is new.

Also claimed are compositions for the modulation of an immune response as described above.

USE - The medicament stimulates or inhibits production of IL-10 in a subject. The agent is a stimulatory or inhibitory form of a compound comprising a Lewis antigen, preferably a Lewis oligo:saccharide, a Lewis oligosaccharide, a Lewis (a) oligosaccharide, a Lewis (b) oligosaccharide or its derivative.

Pharmaceutical compositions containing the agent are suitable for intranasal or oral delivery and are packaged with instructions for using the pharmaceutical composition to modulate an immune response, as an adjuvant, to modulate an allergic response or to modulate an autoimmune disease. A stimulatory form of an agent is used in preparation of an adjuvant for stimulating a specific immune response to an antigen.

An inhibitory form of an agent is used in the preparation of a medicament for treating an allergy by inhibiting an IgE response to an allergenic compound. The agent and the allergenic compound are coadministered to the subject (all claimed).

ADVANTAGE - None given.

Dwg.0/9

Title Terms: COMPOUND; COMPRISE; LEWIS; ANTIGEN; HUMAN; IMMUNE; CELL; MODULATE; CYTOKINE; PRODUCE; REGULATE; DEVELOP; HELP; CELL

Derwent Class: B04; D16

International Patent Class (Main): A61K-039/385

International Patent Class (Additional): A61K-038/17; C07H-015/00; C07K-014/705

File Segment: CPI

Manual Codes (CPI/A-N): B04-C02X; B12-K04A; D05-H14B2; D05-H17A2

Chemical Fragment Codes (M1):

\*01\* M423 M782 M903 P831 Q233 V735 V754 V791

5/9/5

DIALOG(R)File 351:DERWENT WPI

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011415442 \*\*Image available\*\*

WPI Acc No: 97-393349/199736

XRAM Acc No: C97-126315

Use of 1-beta-D-ribofuranosyl-1,2,4-triazole-3-carboxamide or analogues of this - to modulate **Th1** or **Th2** lymphokine expression in activated **T cells**, e.g. for treatment of allergic disorders, autoimmune disorders or helminth infection

Patent Assignee: ICN PHARM (ICNC )

Inventor: AVERETT D; RAMASAMY K; TAM R

Number of Countries: 074 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9726883	A1	19970731	WO 97US600	A	19970121	A61K-031/52	199736 B

Priority Applications (No Type Date): US 9736094 A 19970114; US 96590449 A 19960123

Cited Patents: 3. journal ref.; US 5290540

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9726883	A1	E	31			

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN

Abstract (Basic): WO 9726883 A

The following are claimed: (A) use of 'Ribavirin' (RTM; 1- beta -D-ribofuranosyl-1,2,4-triazole-3-carboxamide) to modulate lymphokine expression in activated **T cells** of human patients; (B) use of 'Ribavirin' to treat non-viral diseases characterised by a cytokine profile in which **Th1** is reduced below normal and **Th2** is increased above normal; (C) use of 'Ribavirin' to treat the non-viral component of diseases having a viral component and a non-viral component, where the non-viral component is characterised by reduced **Th1** levels and increased **Th2** levels in activated T-lymphocytes; and (D) use of 'Ribavirin' analogues of formula (I) in modulating **Th1** or **Th2** expression: X = O, S, CH<sub>2</sub>, CHOH or N-CO-R<sub>11</sub>; Q = a group of formula (i)-(iv): A, B, C = N, P, CH, C-OH, C-Me, C-alkyl, C-alkenyl, C-CH<sub>2</sub>, CN, C-halo, C-CN, C-COOMe, C-NH<sub>2</sub>, C-SNH<sub>2</sub>, C-SO<sub>2</sub>-NH<sub>2</sub>, C-CONH<sub>2</sub>, C-CSNH<sub>2</sub>, C-C(NH)NH<sub>2</sub>, CPO<sub>2</sub>-NH<sub>2</sub> or C-heterocyclic ring system; D = S, Se, Te, PH, NH or NR<sub>12</sub>; R<sub>1</sub> = H, (CH<sub>2</sub>)p(OH), halo, CN, (CH<sub>2</sub>)pNH<sub>2</sub>, (CH<sub>2</sub>)pNH<sub>2</sub>, Me, CH<sub>2</sub>SPH or (CH<sub>2</sub>)-heterocyclic ring; R<sub>2</sub> = H, OH, OMe, SH, SMe, halo, CN, NH<sub>2</sub>, ONH<sub>2</sub>, NHMe, (CH<sub>2</sub>)OH, (CH<sub>2</sub>)pNH<sub>2</sub>, Me or COOMe; R<sub>3</sub>-R<sub>8</sub> = H, OH, OMe, SH, SMe, halo, CN, NH<sub>2</sub>, ONH<sub>2</sub>, NHMe, (CH<sub>2</sub>)OH, (CH<sub>2</sub>)pNH<sub>2</sub>, Me, COOMe or phenyl; R<sub>9</sub> = H, halo, NH<sub>2</sub>, Me, CONH<sub>2</sub>, CSNH<sub>2</sub>, COOMe, SNH<sub>2</sub>, SO<sub>2</sub>NH<sub>2</sub>, PO<sub>2</sub>NH<sub>2</sub>, (CH<sub>2</sub>)p, (CH<sub>2</sub>)p-heterocyclic ring system or (CH<sub>2</sub>)p-glucose; R<sub>10</sub> = H, halo, NH<sub>2</sub>, Me, CONH<sub>2</sub>, CSNH<sub>2</sub>, COOMe, SNH<sub>2</sub>, SO<sub>2</sub>NH<sub>2</sub>, PO<sub>2</sub>NH<sub>2</sub>, (CH<sub>2</sub>)p, (CH<sub>2</sub>)p-heterocyclic ring system, (CH<sub>2</sub>)p-glucose, OMe, OEt or amino acid; Y = O, S, NH.HCl, NOH, NOME or NOCH<sub>2</sub>PH; or R<sub>10</sub> and Y in combination are a heterocyclic ring system such as thiazole or imidazole; R<sub>11</sub> = Me(CH<sub>2</sub>)pNH<sub>2</sub> (sic), (CH<sub>2</sub>)p-heterocycle, (CH<sub>2</sub>)p-amino acid or (CH<sub>2</sub>)p-sugar; p = 0-8; and the above include both L and D nucleosides.

USE - 'Ribavirin' is a known antiviral agent. 'Ribavirin', and the analogues described above, may be used to modulate lymphokine expression in activated **T cells**, especially to suppress **Th2**-mediated **T cell** responses and promote **Th1**-mediated **T cell** responses. They may be used to treat imbalances in lymphokine expression concomitant with allergic atopic disorders (e.g. allergic asthma or atopic dermatitis), helminth infection and leishmaniasis, autoimmune diseases and various primary and secondary immunodeficiencies, which may or may not be associated with viral infection.

Dwg.0/7

Title Terms: BETA; RIBOFURANOSYL; TRIAZOLE; CARBOXAMIDE; ANALOGUE; MODULATE  
; LYMPHOKINE; EXPRESS; ACTIVATE; CELL; TREAT; ALLERGIC; DISORDER;  
DISORDER; HELMINTH; INFECT

Index Terms/Additional Words: ASTHMA; ATOPIC; DERMATITIS

Derwent Class: B03; C02

International Patent Class (Main): A61K-031/52

File Segment: CPI

Manual Codes (CPI/A-N): B04-B03A; B14-B03; B14-G02; B04-B03A; C04-B03A;

B14-B03; C14-B03; B14-G02; C14-G02; C04-B03A; C14-B03; C14-G02

Chemical Fragment Codes (M2):

\*01\* F011 F012 F013 F014 F015 F019 F113 F570 H2 H211 H4 H403 H422 H481 H8  
J0 J011 J3 J311 M280 M311 M321 M342 M373 M391 M413 M510 M522 M530  
M540 M781 M903 M904 P210 P431 P433 V0 V761 R04428-U 00096

Ring Index Numbers: 00096

Specific Compound Numbers: R04428-U

5/9/6

DIALOG(R)File 351:DERWENT WPI

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011167753

WPI Acc No: 97-145678/199713

XRAM Acc No: C97-046589

Generation of autologous immune cells for immune therapy - uses mononuclear cells collected from patient and subjects them to ex vivo expansion using activating proteins

Patent Assignee: CELLTHERAPY INC (CELL-N); GRUENBERG M L (GRUE-I)

Inventor: GRUENBERG M L

Number of Countries: 072 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9705239	A1	19970213	WO 96US12170	A	19960725	C12N-005/08	199713 B
AU 9666499	A	19970226	AU 9666499	A	19960725	C12N-005/08	199725

Priority Applications (No Type Date): US 95506668 A 19950725

Cited Patents: 9. journal ref.; EP 405972; WO 9429436

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9705239	A1	E	99			

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9666499 A Based on WO 9705239

Abstract (Basic): WO 9705239 A

Method (A) for generating immune cells comprises: (a) collecting material comprising body fluid or tissue contg. mononuclear cells from a mammal, and (b) contacting, in the absence of exogenous interleukin-2 (IL-2), the material with at least 1 activating protein specific for cell surface proteins present on cells in the material and sufficient to induce ex vivo cell expansion, whereby the cells expand to clinically relevant numbers.

Also claimed are: (1) a method (B) for autologous cell therapy, comprising: (a) steps (a) and (b) as in (A) and (b) infusing the resulting cells into a mammal;

(2) a method (C) for generating regulatory immune cells, comprising: (a) collecting material contg. mononuclear cells from a mammal, (b) treating the cells to alter their cytokine prodn. profile and (c) expanding the cells to a clinically relevant number of cells;

(3) a method (D) of producing virally purged CD4+ cells, comprising: (a) isolating CD4+ cells from a patient infected with HIV, (b) contacting the cells with at least 1 protein activating agent, (c) selecting cells CD4+ that are HIV- and (d) expanding the selected cells to clinically relevant numbers;

(4) a compsn., comprising a clinically relevant number of CD4+ cells;

(5) a compsn. comprising virally purged CD4+ cells produced by the method as in (3);

(6) a combination comprising: (a) a compsn. contg. a clinically relevant number of virally-purged CD4+ cells and (b) a compsn. contg. a clinically relevant number of CD8+ effector cells;

(7) a method (E) of treating patients with autologous immune cells comprising: (a) collecting a tissue or body fluid sample comprising mononuclear cells from a mammal, (b) treating the cells ex vivo to produce compsns. contg. clinically relevant number of regulatory immune cells and (c) reinfusing a sufficient number of the cells to alter the in vivo regulatory immune cell balance;

(8) a compsn. comprising a clinically relevant number of human regulatory **T-cells**, and

(9) a method of vaccination comprising: (a) exposing isolated mononuclear cells obtd. from a patient to a selected vaccine antigen in the presence of at least 1 cytokines that induce **Th1** cells or **Th1**-like cells to produce **Th1** cells or **Th1**-like cells specific for the antigen and (b) expanding the resulting cells for

reinfusion.

USE - The compsns and methods can be used for treating autoimmune disorders such as multiple sclerosis, insulin-dependent diabetes mellitus, rheumatoid arthritis, Crohn's Disease, autoimmune thyroid disease and inflammatory bowel disease; chronic infectious diseases such as infections with HIV, herpes simplex virus, cytomegalovirus and hepato-virus; allergic and other hypersensitivity disorders such as asthma, and also tumours. They can also be used for preventing transplant rejection and to provide immuno-protection by vaccination (all claimed).

ADVANTAGE - The compsns. of regulatory cells provide for the ability to alter the immunoregulatory balance of a patient, either locally or systemically, by changing the predominant regulatory cell population (claimed).

Dwg.0/0

Title Terms: GENERATE; AUTOLOGOUS; IMMUNE; CELL; IMMUNE; THERAPEUTIC;  
MONONUCLEAR; CELL; COLLECT; PATIENT; SUBJECT; VIVO; EXPAND; ACTIVATE;  
PROTEIN

Derwent Class: B04; D16

International Patent Class (Main): C12N-005/08

International Patent Class (Additional): A61K-035/14

File Segment: CPI

Manual Codes (CPI/A-N): B04-F02; B04-F04; B14-A02; B14-C09B; B14-E10C;  
B14-G02; B14-H01; B14-N11; B14-S01; B14-S04; B14-S11; D05-H07; D05-H11A  
Chemical Fragment Codes (M1):

\*01\* M421 M423 M431 M720 M782 M903 N136 N513 P210 P423 P431 P433 P446  
P517 P624 P633 P714 P816 P822 Q233 V270 V280 V754

5/9/7

DIALOG(R)File 351:DERWENT WPI

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011130830

WPI Acc No: 97-108754/199710

XRAM Acc No: C97-034693

XRFX Acc No: N97-089988

Evaluating treatment of **T cell** mediated diseases - by  
detecting a shift from a **TH1 T cell** response prior to  
treatment to a **TH2 cell** response after treatment.

Patent Assignee: YEDA RES & DEV CO LTD (YEDA )

Inventor: COHEN I R; ELIAS D

Number of Countries: 071 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9702052	A1	19970123	WO 96US11374	A	19960702	A61K-049/00	199710 B
AU 9664543	A	19970205	AU 9664543	A	19960702	A61K-049/00	199721

Priority Applications (No Type Date): IL 114459 A 19950705

Cited Patents: 2. journal ref.; WO 9606630

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9702052	A1	E	33			

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE  
DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE  
LS LU MC MW NL OA PT SD SE SZ UG

AU 9664543 A Based on WO 9702052

Abstract (Basic): WO 9702052 A

A method for detecting or monitoring the efficacy of treatment of a  
**T cell** mediated disease is claimed, comprising detecting a  
shift from a **TH1 T cell** response prior to treatment  
to a **TH2 T cell** response after treatment.

USE - Using the method, the efficacy of proposed vaccines for any T-cell mediated disease can be detected or monitored by measuring the TH1 to TH2 T cell response shift. The method can be used for diseases such as insulin dependent diabetes mellitus (IDDM), multiple sclerosis, myasthenia gravis, scleroderma, polymyositis, graft-versus-host disease, graft rejection, Graves disease, Addison's disease, autoimmune uveoretinitis, autoimmune thyroiditis, pemphigus vulgaris, rheumatoid arthritis, ankylosing spondylitis, or T cell mediated allergic response.

Dwg.0/5

Title Terms: EVALUATE; TREAT; CELL; MEDIATOR; DISEASE; DETECT; SHIFT; CELL; RESPOND; PRIOR; TREAT; CELL; RESPOND; AFTER; TREAT

Derwent Class: B04; D16; S03

International Patent Class (Main): A61K-049/00

International Patent Class (Additional): G01N-033/50

File Segment: CPI; EPI

Manual Codes (CPI/A-N): B04-F04; B11-C08; B12-K04A; D05-H07; D05-H09; D05-H11

Manual Codes (EPI/S-X): S03-E14H

Chemical Fragment Codes (M1):

\*01\* M423 M430 M750 M782 M903 N102 Q233 V275 V600 V611 V754

\*02\* D011 D601 F012 F014 F423 F521 G010 G013 G100 H1 H100 H101 H181 H182 H4 H401 H441 H481 H498 H5 H598 H8 H9 J0 J011 J012 J1 J111 J171 J172 J3 J371 K0 L2 L250 M210 M211 M271 M280 M281 M311 M312 M313 M314 M315 M320 M321 M331 M332 M333 M340 M342 M343 M349 M371 M381 M391 M423 M430 M510 M511 M520 M521 M530 M531 M540 M620 M750 M782 M903 M904 N102 Q233 V600 V641 V901 V902 V917 V921 R06364-A R06364-M

Chemical Fragment Codes (M6):

\*03\* M903 Q233 R630 R639

Specific Compound Numbers: R06364-A; R06364-M

5/9/8

DIALOG(R)File 351:DERWENT WPI

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011130825

WPI Acc No: 97-108749/199710

XRAM Acc No: C97-034688

Treatment of auto-immune disease, prevention of T cell leukaemia, transplant rejection or graft versus host disease - by admin. of agent that binds to ganglioside GM1 or inhibits GM1-mediated signalling without binding

Patent Assignee: UNIV BRISTOL (UYBR-N)

Inventor: HIRST T R; NASHAR T O; WILLIAMS N A; NASHAR T

Number of Countries: 071 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9702045	A1	19970123	WO 96GB1614	A	19960705	A61K-039/00	199710 B
AU 9663142	A	19970205	AU 9663142	A	19960705	A61K-039/00	199721

Priority Applications (No Type Date): GB 9513733 A 19950705

Cited Patents: 3. journal ref.; WO 9510301

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9702045	A1	E	63			

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9663142 A Based on WO 9702045

Abstract (Basic): WO 9702045 A

Method for treating or preventing autoimmune disease, human T

-cell leukaemia, transplant rejection or graft versus host disease (GVHD) comprises admin. an agent (I) that:

- (a) has GM1 binding activity or
- (b) affects GM1-mediated intracellular signalling without binding to GM1.

Also claimed is the vaccination of mammals with (I), other than cholera toxin (Ctx) or E. coli heat-labile enterotoxin (Etx) admin. together with an unrelated foreign antigenic determinant (A).

USE - (I) shifts the immune response, to self or cross-reactive antigens, towards induction of Th2-associated cytokines, i.e. towards the self antigen and away from activation of inflammation. Specified diseases that can be treated are rheumatoid arthritis, multiple sclerosis and diabetes. When used against transplant rejection, the transplant may be allogenic or xenogeneic and GVHD following a bone marrow transplant. The vaccination method allows the immune response to be redirected, e.g. to favour a mucosal response. (I) are administered mucosally, e.g. as nasal spray or by injection.

Dwg.0/11

Title Terms: TREAT; AUTO; IMMUNE; DISEASE; PREVENT; CELL; LEUKAEMIA; TRANSPLANT; REJECT; GRAFT; VERSUS; HOST; DISEASE; ADMINISTER; AGENT; BIND ; GANGLIOSIDE; INHIBIT; MEDIATOR; SIGNAL; BIND

Derwent Class: B04; D16

International Patent Class (Main): A61K-039/00

International Patent Class (Additional): C07K-016/18

File Segment: CPI

Manual Codes (CPI/A-N): B04-F10A3; B14-C09A; B14-G02D; B14-H01A; B14-J05A; D05-H07

Chemical Fragment Codes (M1):

\*01\* M421 M781 M903 P421 P423 P433 P446 P517 P617 P632 P816 Q233 V288

5/9/9

DIALOG(R)File 351:DERWENT WPI

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011130808

WPI Acc No: 97-108732/199710

XRAM Acc No: C97-034671

Prepn. for treatment of T cell mediated diseases such as diabetes or multiple sclerosis - comprises antigen recognised by inflammatory T cells, and a fat emulsion carrier comprising e.g. soybean oil, egg phospholipid and glycerol

Patent Assignee: YEDA RES & DEV CO LTD (YEDA )

Inventor: COHEN I R; ELIAS D; SHINITZKY M

Number of Countries: 072 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9702016	A1	19970123	WO 96US11373	A	19960702	A61K-009/127	199710 B
ZA 9605666	A	19970326	ZA 965666	A	19960704	A61K-000/00	199718
AU 9664844	A	19970205	AU 9664844	A	19960702	A61K-009/127	199721

Priority Applications (No Type Date): IL 114458 A 19950705

Cited Patents: 4. journal ref.; US 4395394; US 4474773; US 5114844; US 5254339; WO 9115225

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9702016	A1	E	39			

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

ZA 9605666 A 37

AU 9664844 A Based on

WO 9702016



Abstract (Basic): WO 9702016 A

Therapeutic prepn. for treatment of **T cell** mediated diseases or conditions comprises an antigen and a biologically active carrier. The antigen is recognised by inflammatory **T cells** associated with the pathogenesis of the disease or condition. The carrier is a fat emulsion comprising 10-20% triglycerides of plant and/or animal origin, 1.2-2.4% phospholipids of plant and/or animal origin, 2.25-4.5% osmo-regulator, 0-0.05% antioxidant, and sterile water (to 100 ml).

USE - The prepn. may be used in treatment of e.g. insulin-dependent diabetes mellitus (where the antigen is esp. a peptide derived from heat shock protein 60), multiple sclerosis, rheumatoid arthritis, contact dermatitis, graft rejection, graft versus host disease or thyroiditis.

ADVANTAGE - The emulsions promote a **TH1** to **TH2** cytokine shift.

Dwg.0/6

Title Terms: PREPARATION; TREAT; CELL; MEDIATOR; DISEASE; DIABETES; MULTIPLE; SCLEROSIS; COMPRISE; ANTIGEN; RECOGNISE; INFLAMMATION; CELL; FAT; EMULSION; CARRY; COMPRISE; SOY; OIL; EGG; PHOSPHOLIPID; GLYCEROL  
Derwent Class: B04; D16

International Patent Class (Main): A61K-000/00; A61K-009/127

International Patent Class (Additional): A01N-037/18; A61K-038/00;

A61K-045/00; A61K-045/05; A61K-047/00; A61K-047/44

File Segment: CPI

Manual Codes (CPI/A-N): B04-B04C; B05-B01P; B12-M03; B14-S04; D05-H07

Chemical Fragment Codes (M1):

\*06\* M423 M431 M782 M903 P421 P423 P431 P624 P816 Q233 V791

Chemical Fragment Codes (M2):

\*01\* H721 H722 H723 J0 J013 J2 J273 M225 M226 M231 M232 M233 M262 M283  
M313 M321 M332 M343 M383 M391 M416 M431 M620 M782 M903 M904 P421  
P423 P431 P624 P816 P943 Q233 R90112-M

\*02\* D012 D016 D025 D120 H4 H401 H441 H8 M210 M211 M225 M232 M240 M283  
M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 M910 Q233 Q624 V0  
V350 R00179-M

\*03\* D012 D016 D024 D120 H4 H401 H441 H8 M210 M211 M225 M232 M240 M283  
M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 M910 Q233 Q624 V0  
V350 R01163-M

\*04\* D012 D016 D023 D120 H4 H401 H441 H8 M210 M211 M225 M232 M240 M283  
M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 M910 Q233 Q624 V0  
V350 R00990-M

\*05\* D012 D016 D024 D120 H4 H401 H441 H8 M210 M211 M225 M232 M240 M283  
M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 M910 Q233 Q624 V0  
V350 R01693-M

Derwent Registry Numbers: 0179-U; 0990-U; 1163-U; 1693-U

Specific Compound Numbers: R90112-M; R00179-M; R01163-M; R00990-M; R01693-M

5/9/10

DIALOG(R)File 351:DERWENT WPI

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011099344

WPI Acc No: 97-077269/199707

XRAM Acc No: C97-024791

XRPX Acc No: N97-064169

DNA encoding a B7-2 fusion protein - used to enhance or down regulate B lymphocyte antigens

Patent Assignee: DANA FARBER CANCER INST INC (DAND ); REPLIGEN CORP (REPK )

Inventor: FREEMAN G J; GRAY G S; NADLER L M

Number of Countries: 020 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9640915	A2	19961219	WO 96US9052	A	19960606	C12N-015/12	199707 B

Priority Applications (No Type Date): US 95479744 A 19950607

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

WO 9640915 A2 E 171

Designated States (National): AU CA JP

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC

NL PT SE

AU 9662554 A

Based on

WO 9640915

Abstract (Basic): WO 9640915 A

A novel isolated nucleic acid (I), pref. DNA, encoding a B7-2 fusion protein (FP1) comprises a nucleotide sequence encoding a first peptide (P1) having a B7-2 activity, and a nucleotide sequence encoding a second peptide (P2) corresponding to a moiety that alters the solubility, binding affinity or valency of P1.

USE - FP1 may be used in a pharmaceutical composition for inhibiting an interaction of B7-2 with its natural ligand in the surface of immune cells, which may be used for treating autoimmune diseases mediated by interaction of B7-2 with its ligands, e.g. allergy (claimed). FP2 is used for stimulating a response by an activated

**T cell**, pref. a T helper-type 2 (**TH2**) response

(claimed). The stimulatory effect of the fusion proteins may be useful in therapy, for example, in the clearance of viral infection, e.g. Herpes or shingles, and influenza and the common cold. Stimulatory forms of B lymphocyte antigens may also be used prophylactically in vaccines against various pathogens, by vaccinating with a viral antigen along with the stimulatory B7-2 peptide, or DNA encoding these two proteins. Enhancement of B lymphocyte antigen function may be useful in the induction of tumour immunity, by administering tumour cells transformed with (I) or (II) to a subject to overcome tumour specific tolerance. Down regulation of the B lymphocyte antigens may act to block an immune response already in progress or may involve preventing the induction of the immune response. Down regulating or preventing B lymphocyte antigen functions may be useful in skin and organ transplants and in the treatment of graft-vs-host disease.

Dwg.0/27

Title Terms: DNA; ENCODE; FUSE; PROTEIN; ENHANCE; DOWN; REGULATE; LYMPHOCYTE; ANTIGEN

Derwent Class: B04; D16; S03

International Patent Class (Main): C12N-015/12

International Patent Class (Additional): A61K-038/17; A61K-047/48;

C07K-014/705; C07K-016/28; C07K-017/14; C07K-019/00; C12N-005/10;

C12N-015/62; G01N-033/545

File Segment: CPI; EPI

Manual Codes (CPI/A-N): B04-B04C2; B04-E02A; B04-E02F; B04-E08; B04-F0200E;

B04-N02; B04-N0200E; B14-A02; B14-G02C; B14-G02D; B14-S11A; B14-S11C;

D05-H12C; D05-H12E; D05-H14; D05-H17C1

Manual Codes (EPI/S-X): S03-E14H4

Chemical Fragment Codes (M1):

\*01\* M423 M710 M903 N135 Q233 V500 V540 V753 V754

\*02\* M423 M710 M903 N135 P210 P431 P433 Q233 V600 V611 V752 V791

5/9/11

DIALOG(R)File 351:DERWENT WPI

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011073892

WPI Acc No: 97-051816/199705

XRAM Acc No: C97-017094

Compsn. contg. **T cell** antigen epitope and **Th1** specific

immunomodulator - useful for eliciting **Th1** specific immune response

to treat e.g. cancer, tuberculosis, malaria, etc

Patent Assignee: UNIV ALBERTA (UYAL-N)  
Inventor: KWON G S; SAMUEL J  
Number of Countries: 070 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9640066	A1	19961219	WO 96US9951	A	19960607	A61K-009/127	199705 B
AU 9663308	A	19961230	AU 9663308	A	19960607	A61K-009/127	199716

Priority Applications (No Type Date): US 95480499 A 19950607

Cited Patents: 6. journal ref.

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
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WO 9640066	A1	E	79				
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Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE  
DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN  
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE  
LS LU MC MW NL OA PT SD SE SZ UG

AU 9663308	A			Based on		WO 9640066	
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Abstract (Basic): WO 9640066 A

A novel compsn. comprises: (a) a slow release vehicle; (b) an immunogenically effective amt. of a synthetic peptide consisting of an 11-14 amino acid sequence contg. at least one **T cell** antigen epitope; and (c) an immunogenically effective amt. of a **Th1** specific immunomodulator.

USE - The compsn. can be used to elicit a **Th1** specific immune response, pref. a protective immune response, to treat e.g. breast, pancreatic and ovarian cancer, respiratory syncytial virus infections, leishmaniasis, malaria, tuberculosis, leprosy and candidiasis (claimed).

ADVANTAGE - The compsn. is able to elicit **Th1** type immune responses against short **T-cell** epitope-contg. peptides without the use of traditional carrier proteins and immunoadjuvants.

Dwg.0/17

Title Terms: COMPOSITION; CONTAIN; CELL; ANTIGEN; EPITOPE; SPECIFIC; IMMUNO  
; MODULATE; USEFUL; ELICIT; SPECIFIC; IMMUNE; RESPOND; TREAT; CANCER;  
TUBERCULOSIS; MALARIA

Derwent Class: B04; B07; D16

International Patent Class (Main): A61K-009/127

International Patent Class (Additional): A61K-039/00; A61K-039/29;  
A61K-045/00

File Segment: CPI

Manual Codes (CPI/A-N): B04-B01B; B04-B04C1; B04-C01C; B04-C01D; B04-N02;  
B05-B01P; B14-A01A1; B14-A02; B14-A03B; B14-H01; D05-H09; D05-H17A5

Chemical Fragment Codes (M1):

\*01\* M423 M431 M782 M903 P210 P241 P311 P312 P633 V772

\*02\* F012 F423 H1 H100 H181 H4 H401 H481 H8 J0 J011 J012 J1 J111 J171  
J172 K0 L2 L250 M280 M311 M312 M313 M314 M320 M321 M331 M332 M333  
M340 M342 M343 M349 M381 M391 M423 M431 M510 M520 M521 M530 M540  
M620 M782 M903 M904 P210 P241 P311 P312 P633 V902 V914 V921  
9705-31201-M

\*03\* F012 F423 G013 G100 H1 H100 H181 H4 H401 H441 H481 H8 J0 J011 J012  
J1 J111 J171 J172 K0 L2 L250 M280 M311 M312 M313 M314 M320 M321 M331  
M332 M333 M340 M342 M343 M349 M371 M381 M391 M423 M431 M510 M520  
M521 M530 M531 M540 M620 M782 M903 M904 P210 P241 P311 P312 P633  
V902 V914 V921 9705-31202-M

Generic Compound Numbers: 9705-31201-M; 9705-31202-M

5/9/12

DIALOG(R)File 351:DERWENT WPI

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011064931 \*\*Image available\*\*

WPI Acc No: 97-042856/199704

XRAM Acc No: C97-013589

Inducing tolerance in antibody-mediated auto-immune disease - by admin.  
of auto-antigen, pref. orally in several daily doses, e.g. for treatment  
of systemic lupus erythematosus, thyroiditis etc.

Patent Assignee: BRIGHAM & WOMENS HOSPITAL (BGHM ); YISSUM RES & DEV CO  
(YISS )

Inventor: CHEN Y; FRIEDMAN A; WEINER H L

Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9639176	A1	19961212	WO 96US10386	A	19960605	A61K-039/00	199704 B
AU 9661138	A	19961224	AU 9661138	A	19960605	A61K-039/00	199715

Priority Applications (No Type Date): US 95465592 A 19950605

Cited Patents: 3. journal ref.; WO 9101333; WO 9315750

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9639176	A1	E	67			

Designated States (National): AU BR CA HU IL JP KR NO

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

AU 9661138 A Based on WO 9639176

Abstract (Basic): WO 9639176 A

Mammals suffering from an antibody-mediated autoimmune disease are treated by oral admin. of at least 1 auto-antigen (Ag) specific for the disease and treatment is continued at a predetermined frequency until at least one clinical symptom of the disease is reduced or a clinical indicator of disease has (nearly) reached its normal value.

Also new is a similar method involving parenteral admin. of Ag.

USE - The method is esp. applied to humans to suppress **Th2** (opt. also **Th1**) cell-mediated responses associated with systemic lupus erythematosus, autoimmune thyroiditis, myasthenia gravis, glomerulonephritis, autoimmune haemolytic anaemia, thrombo-cytopaenic purpura, pemphigus vulgaris, Grave's disease, type II diabetes, insulin resistance and pernicious anaemia (although other diseases can also be treated). At least 6 doses of Ag are given daily over at least 2 weeks (typically 3 months), at daily doses of 5-1000 (esp. 15-500) mg. Alternatively, a sustained release oral formulation is used that releases Ag in the gastrointestinal tract over 6-12 hrs. The same effect may be achieved with once daily or intermittent admin. of large doses (30-1000 mg) of antigen. Parenteral admin. is carried out by continuous infusion over 1-24 hrs. with doses repeated at 1-4 week intervals, pref. at 2.5-250 mg.

ADVANTAGE - Multi-dose daily admin. of Ag suppresses both **Th1** and **Th2** immune responses, i.e. in vivo secretion of Ag-specific antibodies and cytokines is reduced and **T cells** from treated animals do not proliferate in vitro in presence of Ag.

Dwg.1A/8

Title Terms: INDUCE; TOLERANCE; ANTIBODY; MEDIATOR; AUTO; IMMUNE; DISEASE;  
ADMINISTER; AUTO; ANTIGEN; PREFER; ORAL; DAILY; DOSE; TREAT; SYSTEMIC;  
LUPUS; ERYTHEMATOSUS; THYROIDITIS

Derwent Class: B04; D16

International Patent Class (Main): A61K-039/00

International Patent Class (Additional): A61K-038/28; A61K-039/38;  
C07K-001/00; C07K-014/00; C07K-017/00

File Segment: CPI

Manual Codes (CPI/A-N): B04-B04C; B14-G02D; B14-N10; B14-N17; D05-H07

Chemical Fragment Codes (M1):

\*04\* M423 M781 M903 P433 P624 P723 P811 P812 P816 P943 Q233 R052 V600  
V611 V752

Chemical Fragment Codes (M2):

\*01\* H1 H181 J0 J011 J2 J271 K0 L7 L722 M210 M211 M262 M273 M281 M283  
M312 M321 M332 M342 M383 M391 M416 M620 M781 M903 M904 M910 P433

P624 P723 P811 P812 P816 P943 Q233 R052 R00058-Q R00058-U  
\*02\* F013 F431 J0 J011 J1 J111 M280 M320 M413 M510 M521 M530 M540 M781  
M903 M904 M910 P433 P624 P723 P811 P812 P816 P943 Q233 R052 R00190-Q  
R00190-U  
\*03\* F011 F012 F014 F015 F019 F423 F499 F521 H2 H211 J0 J013 J3 J312 J371  
J5 J521 L9 L941 M280 M312 M321 M332 M343 M349 M371 M391 M413 M510  
M523 M530 M540 M781 M903 M904 M910 P433 P624 P723 P811 P812 P816  
P943 Q233 R052 V0 V901 V902 V911 V921 R02032-Q R02032-U  
Derwent Registry Numbers: 0058-S; 0058-U; 0190-S; 0190-U; 2032-S; 2032-U  
Specific Compound Numbers: R00058-Q; R00058-U; R00190-Q; R00190-U; R02032-Q  
; R02032-U

5/9/13  
DIALOG(R)File 351:DERWENT WPI  
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010988772 \*\*Image available\*\*  
WPI Acc No: 96-485721/199648  
XRAM Acc No: C96-152215

Chemical modification of inosine-5-monophosphate to improve resistance to  
hydrolysis by 5'-nucleotidase - to give immuno-potentiating activity esp.  
in **T-cells** in HIV, also useful in treatment of cancer and as  
adjuvants for viruses, esp. hepatitis B

Patent Assignee: UNIV SOUTH FLORIDA (UYSF-N)  
Inventor: GINER-SOROLLA A; HADDEN J W; MASIHI K N  
Number of Countries: 019 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9633203	A1	19961024	WO 95US4969	A	19950421	C07H-019/10	199648 B

Priority Applications (No Type Date): WO 95US4969 A 19950421  
Cited Patents: 4. journal ref.

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9633203	A1	E	123			

Designated States (National): CA JP MX

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
PT SE

Abstract (Basic): WO 9633203 A

Immunopotentiating cpds. of formula (I') in which R inhibits  
hydrolysis of the cpd. by 5'-nucleotidase (5NE). R = alkyl, alkoxy, or  
sec. amino.

USE - (I') have immunopotentiating activity and may be used e.g. to  
immunopotentiate T- (esp. **Th1**) cells, esp. from HIV-infected  
patients. They are also useful as adjuvants for vaccines (esp. for  
hepatitis B) and may also be used against intracellular bacterial  
pathogens and viruses (esp. influenza) and cancerous tumours. (I'), in  
combination with an endotoxin (esp. lipopolysaccharide or salmonella  
vaccine) in the treatment of tumours.

Dwg.0/17

Title Terms: CHEMICAL; MODIFIED; INOSINE; MONO; PHOSPHATE; IMPROVE;  
RESISTANCE; HYDROLYSIS; NUCLEOTIDASE; IMMUNO; POTENTIATE; ACTIVE; CELL;  
HIV; USEFUL; TREAT; CANCER; ADJUVANT; VIRUS; HEPATO

Derwent Class: B02; B04

International Patent Class (Main): C07H-019/10

International Patent Class (Additional): A61K-031/70

File Segment: CPI

Manual Codes (CPI/A-N): B04-B03B; B04-F07; B11-C08E; B12-K04A; B14-A01;  
B14-A02; B14-H01B; B14-S11

Chemical Fragment Codes (M2):

\*01\* B615 B701 B712 B713 B720 B731 B741 B815 B831 D011 D019 D931 F011  
F012 F013 F014 F015 F017 F019 F113 F423 H1 H100 H121 H181 H2 H201  
H211 H4 H402 H422 H8 J012 J013 J171 J311 J371 J5 J521 K0 L250 L8

L813 L821 L831 L834 L9 L941 M210 M211 M212 M213 M214 M215 M216 M220  
M221 M222 M223 M224 M225 M226 M231 M232 M233 M240 M250 M272 M273  
M281 M283 M311 M314 M315 M321 M332 M342 M343 M349 M373 M381 M391  
M392 M411 M511 M521 M522 M530 M540 M720 M903 M904 N512 P633 V0 V280  
V762 V902 V911 V921 9648-33201-P

Generic Compound Numbers: 9648-33201-P

5/9/14

DIALOG(R) File 351:DERWENT WPI

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010891607

WPI Acc No: 96-388558/199639

XRAM Acc No: C96-122395

Tautomycin-contg. immunosuppressants selective for type 2 helper **T-cell** - is useful for treating allergic disorders or auto-immune diseases e.g. AIDS without suppressing **Th 1** activation.

Patent Assignee: SUMITOMO SEIYAKU KK (SUMU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 8188533	A	19960723	JP 9518647	A	19950110	A61K-031/35	199639 B

Priority Applications (No Type Date): JP 9518647 A 19950110

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 8188533	A		10			

Abstract (Basic): JP 8188533 A

Immunosuppressants selective for type 2 helper **T cell** (**Th 2**), contains tautomycin, its pharmaceutically-acceptable salts, or analogues as effective component.

Also claimed are **Th 2**-selective immunosuppressants treating disorders caused by elevated functions of **Th 2**.

USE/ADVANTAGE - Suppressants are useful as treating agents for allergic disorders, autoimmune diseases such as systemic lupus erythematosus, HVG (host virus-graft), and AIDS. Agents exhibit potent suppressing activity against activation of accelerated function of **Th 2** without suppressing **Th 1** activation.

In an example, action of tautomycin on activation of mouse **T cell** line was examined with 10 power-9 to 10 power-6 M of cyclosporin A and tautomycin in DMSO, mouse **T cells** 24-2 (**Th 2**) contg. 5% **T cell** growth factor (prepd. by cultivation of 5 x 10 power 6 cells/ml in presence of 2 microg/ml concanavalin A and addn. of 25 mM alpha-methyl-D-mannoside), and antigen-presenting cells prepd. from B6C3F1 mouse spleen by incubation in 40 microg/ml mitomycin C. Measurement of antigen-specific growth reaction was carried out by cultivation of 1 x 10 power 5 cells/well of antigen-presenting cells, 2 x 10 power 4 cells of the **T cells**, and agent in presence of 5% CO2 for 2 days followed by cultivation with 0.5 micro Ci/well (3H)-thymidine, and counting up-take of thymidine.

Dwg.0/0

Title Terms: CONTAIN; IMMUNOSUPPRESSIVE; SELECT; TYPE; HELP; CELL; USEFUL; TREAT; ALLERGIC; DISORDER; AUTO; IMMUNE; DISEASE; AID; SUPPRESS; ACTIVATE  
Derwent Class: B02

International Patent Class (Main): A61K-031/35

International Patent Class (Additional): C07D-493/10

File Segment: CPI

Manual Codes (CPI/A-N): B02-T; B14-G01B; B14-G02; B14-N17

Chemical Fragment Codes (M2):

\*01\* H1 H100 H102 H181 H4 H401 H481 H8 J0 J011 J1 J171 M210 M211 M273  
M280 M281 M311 M313 M314 M315 M321 M333 M340 M342 M343 M349 M381  
M391 M423 M431 M510 M520 M530 M540 M620 M782 M903 M904 P431 P433

P434 P943 V030 V901 V913 V923 R04466-M  
 \*02\* D011 D025 D030 E330 H1 H100 H141 H5 H521 H8 K0 L4 L463 L9 L951 M210  
 M211 M240 M272 M281 M311 M321 M342 M373 M391 M412 M431 M511 M520  
 M530 M540 M782 M903 M904 P431 P433 P434 P943 V0 V131 R03874-M 12848  
 Ring Index Numbers: 12848  
 Specific Compound Numbers: R04466-M; R03874-M

5/9/15  
 DIALOG(R) File 351:DERWENT WPI  
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010464910  
 WPI Acc No: 95-366229/199547  
 Related WPI Acc No: 95-366228  
 XRAM Acc No: C95-159384

Use of oral tolerisation and/or Th2-enhancing cytokine(s) - to  
 treat autoimmune diseases such as multiple sclerosis

Patent Assignee: BRIGHAM & WOMENS HOSPITAL (BGHM )

Inventor: CHEN Y; WEINER H L

Number of Countries: 025 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9527500	A1	19951019	WO 95US4512	A	19950407	B	199547 B
AU 9522467	A	19951030	AU 9522467	A	19950407	B	199606
NO 9604200	A	19961003	WO 95US4512	A	19950407	B	199701
			NO 964200	A	19961003		
EP 752879	A1	19970115	EP 95915653	A	19950407	B	199708
			WO 95US4512	A	19950407		
BR 9507452	A	19970805	BR 957452	A	19950407	B	199738
			WO 95US4512	A	19950407		

Priority Applications (No Type Date): US 94332524 A 19941031; US 94225372 A 19940408

Cited Patents: 21 journal ref.; US 5190750

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9527500	A1	E				
Designated States (National): AU BR CA FI HU JP KR NO						
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE						
AU 9522467	A			Based on		WO 9527500
EP 752879	A1	E		Based on		WO 9527500
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE						
BR 9507452	A			Based on		WO 9527500

Abstract (Basic): WO 9527500 A

Suppressing autoimmune reaction in a mammal diagnosed with a **T-cell** mediated or **T-cell** dependent autoimmune disease, comprises administering (i) via the oral or enteral route, a bystander antigen and (ii) a non-interferon polypeptide having **Th2**-enhancing cytokine activity, the amts. of the antigen and the polypeptide being effective in combination to reduce the autoimmune reaction substantially more than the amt. of either the antigen or the cytokine administered alone. Also claimed is a method of reducing an autoimmune reaction in a mammal diagnosed with a **T-cell** mediated or **T-cell** dependent autoimmune disease, comprising administering a non-interferon polypeptide having **Th2**-enhancing cytokine activity in an amt. to reduce at least one clinical or histological symptom of the disease.

USE - The method is used for treating autoimmune diseases such as multiple sclerosis, uveoretinitis, rheumatoid arthritis, autoimmune uveoretinitis and diabetes mellitus. Antibody-mediated autoimmune diseases include myasthenia gravis and systemic lupus erythematosus.

ADVANTAGE - The method provides an improvement in the ability to reduce autoimmune reactions by use of oral tolerisation.

Dwg.0/0

Title Terms: ORAL; ENHANCE; CYTOKINE; TREAT; AUTO; IMMUNE; DISEASE; MULTIPLE; SCLEROSIS

Derwent Class: B04

International Patent Class (Main): A61K-038/17; A61K-038/19

International Patent Class (Additional): A61K-038/20; A61K-038/26;

A61K-038/28; A61K-038/39

File Segment: CPI

Manual Codes (CPI/A-N): B04-B01B; B04-H02D; B04-J03A; B04-J03B; B04-N02; B14-C09B; B14-L01; B14-N03; B14-S01; B14-S04; B14-S09

Chemical Fragment Codes (M1):

\*01\* M423 M431 M782 M903 P421 P423 P433 P517 P816 P922 P943 V752 V791

5/9/16

DIALOG(R)File 351:DERWENT WPI

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010456673 \*\*Image available\*\*

WPI Acc No: 95-357992/199546

XRAM Acc No: C95-156596

New isolated DNA encoding the OX40 ligand polypeptide - also vectors and host cells, used to produce recombinant ligand used in e.g. prim. T cell culture, to modulate immune response etc.

Patent Assignee: IMMUNEX CORP (IMMV )

Inventor: BAUM P R; FANSLow W C; GAYLE R B; GOODWIN R G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
US 5457035	A	19951010	US 9397827	A	19930723	C12N-015/19	199546 B

Priority Applications (No Type Date): US 9397827 A 19930723

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
US 5457035	A		26			

Abstract (Basic): US 5457035 A

New isolated DNA (I) that encodes a ligand polypeptide (OX40-L), that binds to OX40 (a membrane glycoprotein present on the CD4 positive subset of activated T cells), comprises nucleotides 148-741 of the 1633 bp murine sequence given in the specification, or its equivalent within the degeneracy of the genetic code. Also new are: (1) recombinant expression vectors contg. (I); and (2) host cells transformed or transfected with these vectors.

USE - The host cells are cultured to produce OX40-L, a new cytokine that when bound to OX40 causes co-stimulation of T cells in the presence of suboptimal levels of mitogen, and induces secretion of IL-2 and IL-4. OX40-L is used in: (i) prim. T cell culture to develop clonal T cell lines; (2) in binding assays to detect OX40 expression; and (3) to modulate the immune response (including altering Ig isotypes and the development of cytolytic T cells, e.g. as vaccine adjuvants, or in ex vivo stimulation of selected TH2 cell populations; correspondingly an antagonist of OX40-L will direct the immune response towards TH1). Fragments of OX40-L can be used to generate specific antibodies. (Anti)sense oligonucleotides derived from (I) can be used to block transcription and translation.

Dwg.1/4

Title Terms: NEW; ISOLATE; DNA; ENCODE; LIGAND; POLYPEPTIDE; VECTOR; HOST; CELL; PRODUCE; RECOMBINATION; LIGAND; PRIMARY; CELL; CULTURE; MODULATE; IMMUNE; RESPOND

Derwent Class: B04; D16

International Patent Class (Main): C12N-015/19



International Patent Class (Additional): C07H-021/04

File Segment: CPI

Manual Codes (CPI/A-N): B04-E02F; B04-E08; B04-F0400E; B04-H0100E; B14-G01;  
D05-H11; D05-H12A; D05-H12D2; D05-H12E; D05-H14

Chemical Fragment Codes (M1):

\*01\* M423 M710 M720 M903 N135 P434 P831 Q233 V500 V540 V550 V600 V612  
V641 V752 V753 V754 V902

5/9/17

DIALOG(R) File 351:DERWENT WPI

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010121536 \*\*Image available\*\*

WPI Acc No: 95-022787/199503

XRAM Acc No: C95-010610

Immortalised dendritic cell transfected with a retroviral vector contg.  
the v-myc oncogene - used for the in vivo or in vitro antigen-specific  
activation of T lymphocytes

Patent Assignee: BIOTOP DI RITA CASSARIN SAS (BIOT-N)

Inventor: GRANUCCI F

Number of Countries: 055 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9428113	A1	19941208	WO 94EP1720	A	19940526	C12N-005/10	199503 B
AU 9469299	A	19941220	AU 9469299	A	19940526	C12N-005/10	199512
			WO 94EP1720	A	19940526		
ZA 9403782	A	19950426	ZA 943782	A	19940530	C12N-000/00	199522
EP 701604	A1	19960320	EP 94917670	A	19940526	C12N-005/10	199616
			WO 94EP1720	A	19940526		
HU 73322	T	19960729	WO 94EP1720	A	19940526	C12N-005/10	199643
			HU 953414	A	19940526		
JP 9500523	W	19970121	WO 94EP1720	A	19940526	C12N-005/10	199713
			JP 95500231	A	19940526		
IT 1264516	B	19960924	IT 93MI1118	A	19930531	C12K-000/00	199716

Priority Applications (No Type Date): IT 93MI1118 A 19930531

Cited Patents: 02 journal ref.

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
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WO 9428113	A1	E	47			
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Designated States (National): AT AU BB BG BR BY CA CH CN CZ DE DK ES FI  
GB GE HU JP KG KP KR KZ LK LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE  
SI SK TJ TT UA US UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
OA PT SE

AU 9469299	A		Based on		WO 9428113
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ZA 9403782	A	46			
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EP 701604	A1	E	Based on		WO 9428113
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU NL  
PT SE

HU 73322	T		Based on		WO 9428113
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JP 9500523	W	37	Based on		WO 9428113
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Abstract (Basic): WO 9428113 A

Immortalised dendritic cells are new. Also claimed is a method of  
immortalising dendritic cells by transfecting prim. cultures with a  
retroviral vector contg. the v-myc oncogene.

USE - The immortalised dendritic cells have the phenotypic and  
functional characteristics of leukocytes, and can present antigenic  
peptides to immune system cells and induce specific immune responses in  
vivo and in vitro. They are used to activate **T cells** in  
vivo or ex vivo in an antigenic-specific and MHC-restricted way after  
transfection with specific MHC genes. The cells can generate  
immunological memory as they can prime virgin **T cells** as

well as induce memory **T cells** in vivo. This is partic.  
 relevant in cell vaccination. The cells can also be loaded with  
 antigens which could be associated with either class I or II MHC  
 molecules, depending on the type of immune response needed. Cells can  
 also be used to induce antigen-specific immune responses towards  
 antigens that depend on non-MHC I or II antigens, e.g. in the case of  
 the CD1 family. They can also induce specific T helper cell subsets,  
 such as **TH1** or **TH2**, where the immune system cannot develop  
 the desired response. Cells can also be modified with genes which  
 express prods. able to modulate the immune response, e.g. cytokine  
 genes, or modified to render them not viable when introduced into  
 humans.

Dwg.0/5

Title Terms: IMMORTALISED; DENDRITE; CELL; TRANSFECTED; RETROVIRUS; VECTOR;  
 CONTAIN; ONCOGENIC; VIVO; VITRO; ANTIGEN; SPECIFIC; ACTIVATE; LYMPHOCYTE  
 Derwent Class: B04; D16

International Patent Class (Main): C12K-000/00; C12N-000/00; C12N-005/10

International Patent Class (Additional): A61K-035/12; A61K-035/14;

A61K-035/26; A61K-035/28; A61K-039/39; C12N-015/09

File Segment: CPI

Manual Codes (CPI/A-N): B04-F0700E; B14-G01; D05-H07; D05-H08; D05-H12A

Chemical Fragment Codes (M1):

\*01\* M423 M710 M903 N135 N136 P434 Q233 V600 V612 V754

5/9/18

DIALOG(R)File 351:DERWENT WPI

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009966639

WPI Acc No: 94-234352/199428

XRAM Acc No: C94-106561

Restoring T helper cell function in asymptomatic HIV positive patients -  
 by admin. of alpha inteferon at low doses, to treat or prevent AIDS

Patent Assignee: SCHERING CORP (SCHE )

Inventor: COFFMAN R L

Number of Countries: 045 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat	No	Kind	Date	Main IPC	Week
WO 9414474	A1	19940707	WO 93US12292	A	19931221	A61K-037/66	199428	B
AU 9459534	A	19940719	AU 9459534	A	19931221	A61K-037/66	199439	

Priority Applications (No Type Date): US 92995384 A 19921223

Cited Patents: 2. journal ref.; EP 266940; JP 63198635

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9414474	A1		14			

Designated States (National): AU BB BG BR BY CA CZ FI HU JP KR KZ LK LV  
 MG MN MW NO NZ PL RO RU SD SK UA US UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
 OA PT SE

AU 9459534 A Based on WO 9414474

Abstract (Basic): WO 9414474 A

**Th1** (T-helper cell) function in an asymptomatic subject  
 infeted with HIV is increased by admin. of alpha-interferon (I) at a  
 unit dose of 0.1-2.5 million IV. The dialy dose does not exceed 2.2  
 million IV.

Pref. unit doses contain 0.2-2 million IV and (I) is admin. every 2  
 days.

USE/ADVANTAGE - This treatment restores immune function  
 independently of CD4+ **T cell** loss, partic. in patients with  
 counts of such cells over 600 per ml. It is used to treat and/or  
 prevent AIDS. The dose of (I) required to restore immune function is 10  
 times less than that required for antiviral activity. This means that

(I) toxicity is no longer a problem and close monitoring is not necessary.

A unit dose (esp. about 1 million IV) is given every 1-3 days for 5-20 weeks, opt. in conjunction with usual anti-HIV agents. Partic. (I) is admin. parenterally but may also be given orally or intranasally.

Dwg.0/0

Title Terms: RESTORATION; HELP; CELL; FUNCTION; HIV; POSITIVE; PATIENT;  
ADMINISTER; ALPHA; LOW; DOSE; TREAT; PREVENT; AID

Derwent Class: B04

International Patent Class (Main): A61K-037/66

File Segment: CPI

Manual Codes (CPI/A-N): B04-H05; B14-G01B

Chemical Fragment Codes (M1):

\*01\* M423 M781 M903 P210 V275 V752

5/9/19

DIALOG(R)File 351:DERWENT WPI

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009643047

WPI Acc No: 93-336596/199342

XRAM Acc No: C93-148878

Vaccine comprising antigen trapped in nonionic surfactant vesicles - has increased immunogenicity and stimulates cell mediated and humoral immunity

Patent Assignee: PROTEUS MOLECULAR DESIGN LTD (PROT-N)

Inventor: ALEXANDER J; BREWER J M; MACDONALD BREWER J; BEARSDEN J A;

MACDONALD J

Number of Countries: 046 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9319781	A1	19931014	WO 93GB716	A	19930406	A61K-039/39	199342 B
AU 9338997	A	19931108	AU 9338997	A	19930406	A61K-039/39	199408
ZA 9302491	A	19940126	ZA 932491	A	19930407	A61K-000/00	199409
FI 9404676	A	19941006	WO 93GB716	A	19930406	A61K-000/00	199502
			FI 944676	A	19941006		
NO 9403739	A	19941005	WO 93GB716	A	19930406	A61K-039/39	199502
			NO 943739	A	19941005		
EP 634937	A1	19950125	EP 93908000	A	19930406	A61K-039/39	199508
			WO 93GB716	A	19930406		
CN 1085449	A	19940420	CN 93105224	A	19930407	A61K-039/002	199527
JP 7505389	W	19950615	JP 93517269	A	19930406	A61K-039/00	199532
			WO 93GB716	A	19930406		
HU 69935	T	19950928	WO 93GB716	A	19930406	A61K-039/39	199546
			HU 942904	A	19930406		
NZ 251402	A	19961029	NZ 251402	A	19930406	A61K-039/00	199648
			WO 93GB716	A	19930406		
EP 634937	B1	19970917	EP 93908000	A	19930406	A61K-039/39	199742
			WO 93GB716	A	19930406		

Priority Applications (No Type Date): GB 927731 A 19920407

Cited Patents: EP 433242; GB 2189457; WO 8702250; WO 9217179

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
WO 9319781	A1	E	45				

Designated States (National): AU BB BG BR CA CZ FI HU JP KP KR KZ LK MG  
MN MW NO NZ PL RO RU SD SK UA US VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
OA PT SE

AU 9338997 A Based on WO 9319781

ZA 9302491 A 39

EP 634937 A1 E Based on WO 9319781

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC  
NL PT SE

JP 7505389 W Based on WO 9319781  
HU 69935 T Based on WO 9319781  
NZ 251402 A Based on WO 9319781  
EP 634937 B1 E 27 Based on WO 9319781  
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU NL  
PT SE

Abstract (Basic): WO 9319781 A

A vaccine comprises at least one antigen entrapped in non ionic surfactant vesicles.

The entrapped antigen can also be used to stimulate cell mediated and humoral immunity. The vaccine may be orally administered, and may be in the form of a powder, tablet, syrup, capsule or granules. The vesicles act as potent adjuvants, even with shorter peptides which give weaker immune responses. Using the vesicles, antibody titres of the same order of magnitude and **T cell** stimulation indices greater than using FCA as the adjuvant. There is also no evident toxicity. The vaccine may be used against e.g. HIV, or against biologically active substances, partic. having hormonal activity, these include luteinising hormones releasing hormone, such treatment can be used for androgen suppression or immunocastration of farm animals, or for the treatment of androgen sensitive or oestrogen sensitive carcinoma. Effective protection against toxoplasmosis has been achieved using immunisation with Toxoplasma gondii antigens. Non-ionic surfactant vesicles are very stable under ambient conditions, and do not undergo destructive autooxidation reactions such as those seen with vesicles based on egg lecithin.

Pref. the vaccine contains a peptide of 8-15, pref. 10-20 aminoacids. It may also contain luteinising hormone releasing hormone analogues of formula pGlu-His-Trp-Ser-Tyr -X-Leu-Arg-Pro-Gly-Y-Z, where X is Gly or a D-aminoacid, Y is an aminoacid and Z is Cys or Tyr. The non-ionic surfactant is a glycerol ester, pref. a glycerol monoester comprising 12-20C alkenyl or alkenoyl moieties, pref. 1-monopalmitoyl glycerol or diglycol catyl ether. The vesicles comprise charge-producing amphiphilic molecules which contain an acidic gp. from carboxylate, phosphate or sulphate.

USE/ADVANTAGE - The vaccine stimulates antibody prodn. via the **Th1** T lymphocyte pathway. Entrapping the antigen in non-ionic vesicles potentiated, its immunogenicity to at least the level obt'd. using Freund's Complete Adjuvant

Dwg.0/9

Abstract (Equivalent): EP 634937 B

A vaccine comprising at least one antigen entrapped in non-ionic surfactant vesicles, wherein said antigen alone elicits a weak immune response.

Dwg.0/9

Title Terms: VACCINE; COMPRISE; ANTIGEN; TRAP; NONIONIC; SURFACTANT; VESICLE; INCREASE; IMMUNOGENIC; STIMULATING; CELL; MEDIATOR; HUMOUR; IMMUNE

Derwent Class: B04; C06; D16

International Patent Class (Main): A61K-000/00; A61K-039/00; A61K-039/002; A61K-039/39

International Patent Class (Additional): A61K-009/08; A61K-009/127; A61K-037/02; C07K-007/06; C07K-007/08

File Segment: CPI

Manual Codes (CPI/A-N): B02-V02; C02-V02; B04-B02D4; C04-B02D4; B04-B04C1; C04-B04C1; B04-C01C; C04-C01C; B10-E04C; C10-E04C; B10-G02; C10-G02; B12-M09; C12-M09; D05-H07

Chemical Fragment Codes (M1):

\*01\* D011 D601 F012 F014 F423 F521 G013 G100 H1 H100 H181 H4 H401 H441  
H481 H498 H8 H9 J0 J011 J012 J1 J111 J171 J172 K0 L2 L250 M280 M311  
M312 M313 M314 M315 M320 M321 M332 M333 M340 M342 M343 M349 M371  
M381 M391 M421 M431 M510 M511 M520 M521 M530 M531 M540 M782 M903  
M904 P434 Q233 V280 V288 V901 V913 V921 9342-40701-M

Chemical Fragment Codes (M2):

\*02\* H4 H402 H482 H8 J0 J011 J2 J271 M225 M231 M262 M281 M313 M321 M332  
M343 M383 M391 M416 M431 M620 M782 M903 M904 Q233 Q616 9342-40702-M  
\*03\* H4 H403 H483 H5 H582 H8 M225 M231 M272 M281 M313 M322 M332 M343 M383  
M392 M416 M431 M620 M782 M903 M904 Q233 Q616 9342-40703-M  
Generic Compound Numbers: 9342-40701-M; 9342-40702-M; 9342-40703-M

5/9/20  
DIALOG(R)File 351:DERWENT WPI  
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003163337

WPI Acc No: 81-23876D/198114

Monoclonal antibody from hybridoma ATCC CRL 8016 - useful for diagnostic  
and therapeutic uses esp. with malignancies

Patent Assignee: ORTHO PHARM CORP (ORTH )

Inventor: GOLDSTEIN G; KUNG P C S

Number of Countries: 019 Number of Patents: 016

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 25722	A	19810325	EP 80303272	A	19800917		198114 B
NO 8002751	A	19810413					198119
FI 8002917	A	19810529					198126
JP 56095118	A	19810801	JP 80128670	A	19800918		198137
DK 8003948	A	19810914					198141
PT 71814	A	19811126					198152
ZA 8005743	A	19820317					198221
US 4364932	A	19821221	US 82432455	A	19821004		198302
IL 61063	A	19840430					198426
CA 1170593	A	19840710					198432
EP 25722	B	19850522					198521
FI 8404706	A	19841129					198525
DE 3070669	G	19850627					198527
US 4637983	A	19870120	US 86935167	A	19861126		198706
JP 88063556	B	19881207					198901
US 4803262	A	19890207					198908

Priority Applications (No Type Date): US 7982515 A 19791009; US 7976642 A  
19790918; US 82432455 A 19821004; US 84643593 A 19840823

Cited Patents: 7. journal ref.

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
EP 25722	A	E					
Designated States (Regional): AT BE CH DE FR GB IT LI NL SE							
EP 25722	B	E					
Designated States (Regional): AT BE CH DE FR GB IT LI NL SE							

Abstract (Basic): EP 25722 A

Monoclonal antibody of class IgG produced by a hybridoma formed by  
fusion of cells from a mouse myeloma line and spleen cells from a mouse  
previously immunised with human thymocytes is new. The antibody reacts  
with more than 90% of cytotoxic and suppressor **TH2+ T cells**  
(20-30% of all normal human peripheral **T cells**  
), but not with normal human peripheral B cells, null cells or  
macrophages.

It also reacts with about 80% of normal human thymocytes; it does  
not react with **TH2- T cells** or **OKT4+ T cells**, but it reacts with about 60% of **OKT4- T cells**.

It defines a **T cell** population (**OKT5+**) which is strongly  
cytotoxic and which is at lower than normal levels in primary biliary  
cirrhosis, multiple sclerosis and hyper-IgE, normal levels in all  
stages of Hodgkin's disease and higher than normal levels in Type I  
acquired agammaglobulinaemia and acute infectious mononucleosis..

The antibody is monospecific for a single determinant on normal  
human cytotoxic and suppressor **TH2+ T cells** and is

free from antihuman immune globulin. It is useful in the treatment or diagnosis of diseases, esp. for detecting excess of cytotoxic or suppressor **T cell** activity. Disease states such as malignancies involving excess of suppressive activity can be treated.

Abstract (Equivalent): EP 25722 B

Monoclonal antibody of class IgG produced by a hybridoma formed by fusion of cells from a mouse myeloma line and spleen cells from a mouse previously immunised with human thymocytes is new. The antibody reacts with more than 90% of cytotoxic and suppressor **TH2+ T cells** (20-30% of all normal human peripheral **T cells**), but not with normal human peripheral B cells, null cells or macrophages.

It also reacts with about 80% of normal human thymocytes; it does not react with **TH2- T cells** or **OKT4+ T cells**, but it reacts with about 60% of **OKT4- T cells**.

It defines a **T cell** population (**OKT5+**) which is strongly cytotoxic and which is at lower than normal levels in primary biliary cirrhosis, multiple sclerosis and hyper-IgE, normal levels in all stages of Hodgkin's disease and higher than normal levels in Type I acquired agammaglobulinaemia and acute infectious mononucleosis..

The antibody is monospecific for a single determinant on normal human cytotoxic and suppressor **TH2+ T cells** and is free from antihuman immune globulin. It is useful in the treatment or diagnosis of diseases, esp. for detecting excess of cytotoxic or suppressor **T cell** activity. Disease states such as malignancies involving excess of suppressive activity can be treated.

Abstract (Equivalent): US 4803262 A

Mouse monoclonal antibody is identical to that produced by the hybridoma ATCC CRL8013 or 8016 in its reaction with the antigen that is present on more than 90% of cytotoxic and suppressor **TH2 + T cells** but not on normal human peripheral helper **T cells**. The hybrid is obtd. by fusion of splenocytes from immunised CAF1 mice with P3X63Ag8U1 myeloma cells.

USE - The prods. are valuable diagnostic and therapeutic agents. (12pp)

US 4637983 A

Hybridoma having indentifying characteristics of ATCC CRL 8016 is new. It is prepd. by (a) immunising mice with normal human thymocytes to produce suitably primed splenocytes; (b) removing the spleens from the mice and producing a suspension in an appropriate medium; (c) fusing the suspended spleen cells with mouse myeloma cells from a suitable cell line using a suitable fusion promoter; (d) diluting and culturing in separate containers, the mixt. of unfused spleen cells, unfused myeloma cells and fused cells in a selective medium that will not support the unfused myeloma cells until the unfused cells are killed; (e) evaluating the supernatant in each container contg. a hybridoma for the presence of antibody to E rosette positive purified human **T cells**; and (f) selecting and cloning hybridomas producing the desired antibody.

USE - Hybridoma is used for prodn. of antibody to an antigen found on normal human cytotoxic and suppressor **T cells** for therapeutic and diagnostic use. (11pp)n

Title Terms: MONO; CLONE; ANTIBODY; HYBRIDOMA; ATCC; USEFUL; DIAGNOSE; THERAPEUTIC; MALIGNANT

Index Terms/Additional Words: MALIGNANT

Derwent Class: B04; D16; S03; S05

International Patent Class (Additional): A61K-039/39; C07G-007/00; C07K-015/02; C07K-015/04; C12N-005/00; C12N-015/00; C12P-001/00; C12P-021/00; C12Q-001/00; C12R-001/91; G01N-033/48; G01N-033/54; G01N-033/57

File Segment: CPI; EPI

Manual Codes (CPI/A-N): B04-B04C; B12-G07; B12-K04; D05-C; D05-H08

Manual Codes (EPI/S-X): S03-E14H9; S05-C09

Chemical Fragment Codes (M1):

\*01\* V600 V611 P631 P633 P634 M710 P831 P832 M423 M902

5/9/21

DIALOG(R) File 351:DERWENT WPI

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002565030

WPI Acc No: 80-83054C/198047

Monoclonal antibody to human helper **T cells** - useful for detection and treatment of helper **T cell** defect or excess conditions

Patent Assignee: ORTHO PHARM CORP (ORTH )

Inventor: GOLDSTEIN G; KUNG P C S

Number of Countries: 019 Number of Patents: 019

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 18794	A	19801112					198047 B
NO 8001216	A	19801117					198050
JP 55145616	A	19801113					198103
FI 8001343	A	19801230					198105
DK 8001805	A	19810302					198113
PT 71148	A	19810420					198120
ZA 8002524	A	19811026					198207
US 4381295	A	19830426					198319
IL 59919	A	19831230					198410
CA 1170592	A	19840710					198432
US 4515895	A	19850507					198521
FI 8404705	A	19841129					198525
EP 18794	B	19850724					198530
DE 3070896	G	19850829					198536
US 4652447	A	19870324					198714
US 4658020	A	19870414					198717
JP 88062519	B	19881201					198901
JP 1098477	A	19890417					198921
JP 89059867	B	19891220					199003

Priority Applications (No Type Date): US 7933639 A 19790426; US 82432459 A 19821004; US 84639554 A 19840810

Cited Patents: 11 journal ref.

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
EP 18794	A						
Designated States (Regional): AT BE CH DE FR GB IT LI NL SE							
EP 18794	B	E					
Designated States (Regional): AT BE CH DE FR GB IT LI							

Abstract (Basic): EP 18794 A

(A) A novel monoclonal antibody of class IgG is produced by a hybridoma formed by fusion of spleen cells from a mouse previously immunised with human **T cells** and cells from a mouse myeloma line. The antibody (a) reacts with all normal human peripheral helper **T cells** (about 55% of all normal human peripheral **T cells**), but not with normal human peripheral B cells, null cells or macrophages; (b) reacts with 80% normal human thymocytes; (c) does not react with leukaemic cells from humans with **T cell** or B cell acute lymphoblastic leukaemia or **T cell** or null cell acute lymphoblastic leukaemia; (d) reacts with the human **T cell** line CEM, but not with HJD-1, Laz 191 or HM1; (e) does not react with Epstein-Barr virus-transformed human B cell lines Laz 007, Laz 156, Laz 256 or Sb; (f) reacts with 55% of Rhesus monkey peripheral **T cells**; (g) fixes complement; and (h) defines a **t cell** population (OKT 4) which is unreactive with anti-**TH2** serum and is only minimally cytotoxic. (B) The hybridoma which produces an antibody as defined above is new. (C) Hybridoma OKT-4 (ATCC CRL 8002) is new, as is the monoclonal antibody obtd. with it. The antibody

is useful for detection of helper **T cell** defect or excess, esp. a deficiency of type II acquired agammaglobulinaemia, and for treating helper **T cell** cancer, esp. cutaneous **T cell** lymphoma or **T cell** acute lymphoblastic leukaemia; it is also useful for treatment of autoimmune diseases caused by an excess of helper **T cells**. The hybridomas are used in the prodn. of the antibody.

Title Terms: MONO; CLONE; ANTIBODY; HUMAN; HELP; CELL; USEFUL; DETECT; TREAT; HELP; CELL; DEFECT; EXCESS; CONDITION

Derwent Class: B04; D16; S03; S05

International Patent Class (Additional): A61K-039/39; C07G-007/00;

C07K-015/04; C12K-000/00; C12N-005/00; C12N-015/00; C12P-001/00;

C12P-021/00; C12Q-001/00; C12R-001/91; G01N-033/54

File Segment: CPI; EPI

Manual Codes (CPI/A-N): B04-B04A; B04-B04C; B12-D02; B12-G05; B12-G07;

B12-K04; D05-C; D05-H08

Manual Codes (EPI/S-X): S03-E14H9; S05-C09

Chemical Fragment Codes (M1):

\*01\* V751 V752 V753 V754 V600 V611 P431 P433 P733 P632 P631 P633 P634

M710 P831 P832 M423 M902

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PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

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Set	Items	Description
S1	463	TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W) (2 OR 3))
S2	0	S1 AND CD3
S3	0	S1 AND OKT3
S4	0	S1 AND ANTICD3
S5	21	S1 AND (T(W) (CELL OR CELLS))

? ds

Set	Items	Description
S1	463	TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W) (2 OR 3))
S2	0	S1 AND CD3
S3	0	S1 AND OKT3
S4	0	S1 AND ANTICD3
S5	21	S1 AND (T(W) (CELL OR CELLS))

? ds

Set	Items	Description
S1	463	TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W) (2 OR 3))
S2	0	S1 AND CD3
S3	0	S1 AND OKT3
S4	0	S1 AND ANTICD3
S5	21	S1 AND (T(W) (CELL OR CELLS))

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\$57.99 0.266 Hrs File351

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\$50.40 21 Types

\$108.39 Estimated cost File351

\$108.39 Estimated cost this search

\$285.96 Estimated total session cost 0.561 Hrs.

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\*File 6: NEW! Citations of ASTM Standards. See HELP NEWS 6



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\*File 73: EMTAGS no longer in Embase as of 1/98. Type: HELP NEWS 73  
for details.

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(c) 1997 INIST/CNRS

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File 155:MEDLINE(R) 1966-1997/Dec W4  
(c) format only 1997 Knight-Ridder Info

File 158:DIOGENES(R) 1976-1997/Nov W3  
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File 164:Allied & Alternative Medicine(AMED) 1984-1997/Oct  
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File 189:NDA Pipeline: New Drugs 1991-1997/Oct  
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File 211:IAC Newsearch(TM) 1997-1997/Nov 19  
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File 285:BioBusiness(R) 1985-1997/Nov W2  
(c) 1997 BIOSIS

File 286:Biocommerce Abs.& Dir. 1981-1997/Oct B2  
(c) 1997 BioCommerce Data Ltd.

File 315:ChemEng & Biotec Abs 1970-1997/Nov  
(c) 1997 RoySocChm, DECHEMA, FizChemie

File 357:Derwent Biotechnology Abs 1982-1997/Nov B2  
(c) 1997 Derwent Publ Ltd

File 358:Current BioTech Abs 1983-1997/Nov  
Royal Soc Chem & DECHEMA

File 370:Science 1996-1997/Sep W3  
(c) 1997 AAAS

File 376:Derwent Drug File 1964-1982  
(c) 1995 Derwent Info Ltd.  
File 377:Derwent Drug File 1983-1997/Nov W5  
(c) 1997 Derwent Info Ltd.  
File 428:Adis Newsletters(Current) 1997/Nov 19  
(c) 1997 Adis Intl. Ltd.  
File 429:Adis Newsletters(Archive) 1982-1997/Oct 22  
(c) 1997 Adis Intl. Ltd.  
File 434:Scisearch(R) Cited Ref Sci 1974-1997/Nov W3  
(c) 1997 Inst for Sci Info  
File 441:ESPICOM Pharm&Med DEVICE NEWS 1997/Nov 18  
(c) 1997 ESPICOM Bus.Intell.  
File 446:IMSWorld Product Launches 1982-1997/Nov  
(c) 1997 IMSWorld Publ. Ltd.  
File 449:IMSWorld Company Profiles 1992-1997/Oct  
(c) 1997 IMSWorld Publ. Ltd.  
File 452:Drug Data Report 1992-1997/Nov  
(c) 1997 J.R. Prous S.A.  
File 455:Drug News & Perspectives 1992-1997/Oct  
(c) 1997 J.R. Prous S.A.  
File 456:NME Express 1992-1997/Nov B1  
(c) 1997 J.R. Prous, S.A.  
File 467:ExtraMED(tm) 1996/Dec  
(c) 1996 Informania Ltd.  
File 636:IAC Newsletter DB(TM) 1987-1997/Nov 19  
(c) 1997 Information Access Co.  
\*File 636: Company names are now searchable using /CO and CO=.  
File 351:DERWENT WPI 1963-1997/UD=9745;UP=9742;UM=9740  
(c)1997 Derwent Info Ltd  
\*File 351: See HELP NEWS FAQ 351 for reload information.  
British applications now updated faster-See HELP NEWS 351

Set	Items	Description
---	-----	-----

? ds

>>>No sets currently exist  
? s th1 or (th(w)1) or th2 or th3 or (th(w)(2 or 3))

Processing  
Processing  
Processing  
Processed 10 of 47 files ...  
Processing  
Processing  
Processing  
Processing  
Processing  
Processing  
Processing  
Processed 20 of 47 files ...  
Processing  
Processed 30 of 47 files ...  
Processing  
Processing  
Processed 40 of 47 files ...  
Processing  
Processing  
Processing  
Completed processing all files  
18009 TH1  
798964 TH  
17675562 1  
1933 TH(W)1  
18795 TH2

419 TH3  
798964 TH  
16927677 2  
13573102 3  
1726 TH(W) (2 OR 3)  
S1 27951 TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W) (2 OR 3))  
? s s1 and mitogen?

27951 S1  
218424 MITOGEN?  
S2 1228 S1 AND MITOGEN?  
? s s2 and expand?

Processed 40 of 47 files ...  
Processing  
Completed processing all files  
1228 S2  
616123 EXPAND?  
S3 40 S2 AND EXPAND?  
? rd

>>>Duplicate detection is not supported for File 42.  
>>>Duplicate detection is not supported for File 140.  
>>>Duplicate detection is not supported for File 187.  
>>>Duplicate detection is not supported for File 189.  
>>>Duplicate detection is not supported for File 286.  
>>>Duplicate detection is not supported for File 428.  
>>>Duplicate detection is not supported for File 429.  
>>>Duplicate detection is not supported for File 441.  
>>>Duplicate detection is not supported for File 446.  
>>>Duplicate detection is not supported for File 449.  
>>>Duplicate detection is not supported for File 452.  
>>>Duplicate detection is not supported for File 455.  
>>>Duplicate detection is not supported for File 456.  
>>>Duplicate detection is not supported for File 351.

>>>Records from unsupported files will be retained in the RD set.  
...completed examining records  
S4 20 RD (unique items)  
? t s4/3/1-20

4/3/1 (Item 1 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11249946 BIOSIS Number: 97449946  
The role of CD4 cells in protective immunity to Brugia pahangi  
Bancroft A J; Grencis R K; Else K J; Devaney E  
Sch. Biol. Sci., Dep. Cell Structural Biol., Stopford Build., Univ.  
Manchester, Oxford Rd., Manchester M13 9PT, UK  
Parasite Immunology (Oxford) 16 (7). 1994. 385-387.  
Full Journal Title: Parasite Immunology (Oxford)  
ISSN: 0141-9838  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 098 Iss. 008 Ref. 104258

4/3/2 (Item 2 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10120493 BIOSIS Number: 95120493  
INDUCTION OF DIFFERENTIATION IN A B LYMPHOMA X B LYMPHOCYTE HYBRID LINE  
II. INTRACLONAL HETEROGENEITY IN GROWTH SECRETION OF IGM AND CYTOKINE

PRODUCTION IN RESPONSE TO LIPOPOLYSACCHARIDE

LITTLE J; ALLING D W; ASOFSKY R  
LI, NIAID, NATL. INST. HEALTH, 9000 ROCKVILLE PIKE, BUILD. 10, ROOM  
11N311, BETHESDA, MD 20892, USA.  
J IMMUNOL 150 (6). 1993. 2129-2138. CODEN: JOIMA  
Full Journal Title: Journal of Immunology  
Language: ENGLISH

4/3/3 (Item 3 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

9115274 BIOSIS Number: 93100274  
A COMMON PRECURSOR FOR CD4-POSITIVE T CELLS PRODUCING IL-2 OR IL-4  
ROECKEN M; SAURAT J-H; HAUSER C  
LAB. IMMUNOL., BUILD. 10, ROOM 11N311, NATL. INST. ALLERGY INFECTIOUS  
DISEASES, NATL. INST. HEALTH, BETHESDA, MD. 20892.  
J IMMUNOL 148 (4). 1992. 1031-1036. CODEN: JOIMA  
Full Journal Title: Journal of Immunology  
Language: ENGLISH

4/3/4 (Item 4 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

9056323 BIOSIS Number: 93041323  
FUNCTIONAL CHARACTERIZATION OF SKIN-INFILTRATING LYMPHOCYTES IN ATOPIC  
DERMATITIS  
REINHOLD U; KUKEL S; GOEDEN B; NEUMANN U; KREYSEL H W  
DEP. DERMATOL., UNIV. BONN, D-5300 BONN 1, GER.  
CLIN EXP IMMUNOL 86 (3). 1991. 444-448. CODEN: CEXIA  
Full Journal Title: Clinical and Experimental Immunology  
Language: ENGLISH

4/3/5 (Item 5 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

9032501 BIOSIS Number: 93017501  
TRANSFORMING GROWTH FACTOR-BETA AND IL-4 CAUSE HELPER T CELL PRECURSORS  
TO DEVELOP INTO DISTINCT EFFECTOR HELPER CELLS THAT DIFFER IN LYMPHOKINE  
SECRETION PATTERN AND CELL SURFACE PHENOTYPE  
SWAIN S L; HUSTON G; TONKONOGY S; WEINBERG A  
DEP. BIOLOGY CANCER CENTER, UNIVERSITY CALIFORNIA, SAN DIEGO, 9500 GILMAN  
DRIVE, 0063 LA JOLLA, CALIF. 92093.  
J IMMUNOL 147 (9). 1991. 2991-3000. CODEN: JOIMA  
Full Journal Title: Journal of Immunology  
Language: ENGLISH

4/3/6 (Item 6 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

8647815 BIOSIS Number: 92112815  
RECONSTITUTION OF LEISHMANIA IMMUNITY IN SEVERE COMBINED IMMUNODEFICIENT  
MICE USING TH1-LIKE AND TH2-LIKE CELL LINES  
HOLADAY B J; SADICK M D; WANG Z-E; REINER S L; HEINZEL F P; PARSLOW T G;  
LOCKSLEY R M  
UCSF DEP. MED. C-443, SAN FRANCISCO, CALIF. 94143-0654.  
J IMMUNOL 147 (5). 1991. 1653-1658. CODEN: JOIMA  
Full Journal Title: Journal of Immunology

Language: ENGLISH

4/3/7 (Item 7 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

8129815 BIOSIS Number: 91050815  
IL-4 DIRECTS THE DEVELOPMENT OF TH2-LIKE HELPER EFFECTORS  
SWAIN S L; WEINBERG A D; ENGLISH M; HUSTON G  
DEP. BIOL., THEODORE GILDRED CANCER RESEARCH FACILITY, 9500 GILMAN DR.,  
UNIV. CALIF., SAN DIEGO, LA JOLLA, CALIF. 92093-0063.  
J IMMUNOL 145 (11). 1990. 3796-3806. CODEN: JOIMA  
Full Journal Title: Journal of Immunology  
Language: ENGLISH

4/3/8 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

10260626 EMBASE No: 97072670  
Prevention of immune dysfunction, vitamin E deficiency, and loss of  
Cryptosporidium resistance during murine retrovirus infection by T cell  
receptor peptide immunization  
Liang B.; Marchalonis J.J.; Watson R.R.  
USA  
Nutrition Research (USA) , 1997, 17/4 (677-692) CODEN: NTRSD ISSN:  
0271-5317  
PUBLISHER ITEM IDENTIFIER: S0271531797000377  
DOCUMENT TYPE: Journal  
LANGUAGES: English SUMMARY LANGUAGES: English  
NUMBER OF REFERENCES: 47

4/3/9 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

8243815 EMBASE No: 91275230  
Reconstitution of Leishmania immunity in severe combined immunodeficient  
mice using Th1- and Th2-like cell lines  
Holaday B.J.; Sadick M.D.; Wang Z.-E.; Reiner S.L.; Heinzel F.P.; Parslow  
T.G.; Locksley R.M.  
UCSF Dept. of Medicine, San Francisco, CA 94143-0654 USA  
J. IMMUNOL. (USA) , 1991, 147/5 (1653-1658) CODEN: JOIMA ISSN:  
0022-1767  
LANGUAGES: English

4/3/10 (Item 1 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01716044 SUPPLIER NUMBER: 19731474 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Does the mast cell still have a key role in asthma?  
Rossi, Gian Luigi; Olivieri, Dario  
Chest, v112, n2, p523(7)  
August, 1997  
PUBLICATION FORMAT: Magazine/Journal; Refereed ISSN: 0012-3692  
LANGUAGE: English RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 5186 LINE COUNT: 00436

4/3/11 (Item 2 from file: 149)

DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01678895 SUPPLIER NUMBER: 19205626 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
MHC class II-dependent abnormal reactivity toward bacterial superantigens  
in immune cells of NOD mice. (major histocompatibility complex)  
Radons, J.; Burkart, V.; Kolb, H.  
Diabetes, v46, n3, p379(7)  
March, 1997  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0012-1797 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 6225 LINE COUNT: 00504

4/3/12 (Item 3 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01674555 SUPPLIER NUMBER: 19104992 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Systemic bias of cytokine production toward cell-mediated immune regulation  
in IDDM and toward humoral immunity in Graves' disease.  
(insulin-dependent diabetes mellitus)  
Kallmann, Boris A.; Huther, Manfred; Tubes, Monika; Feldkamp, Joachim;  
Bertrams, Jorg; Gries, Friedrich A.; Lampeter, Eberhard F.; Kolb, Hubert  
Diabetes, v46, n2, p237(7)  
Feb, 1997  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0012-1797 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 6508 LINE COUNT: 00546

4/3/13 (Item 4 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01662438 SUPPLIER NUMBER: 18958901 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Immunological and virological markers of HIV-disease progression.  
Zeller, Janice M.; McCain, Nancy L.; Swanson, Barbara  
Journal of the Association of Nurses in AIDS Care, v7, n1, p15(13)  
Jan-Feb, 1996  
PUBLICATION FORMAT: Magazine/Journal ISSN: 1055-3290 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional  
WORD COUNT: 8754 LINE COUNT: 00745

4/3/14 (Item 5 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01497540 SUPPLIER NUMBER: 15981856 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Immunization with the larger isoform of mouse glutamic acid decarboxylase  
(GAD67) prevents autoimmune diabetes in NOD mice. (non-obese diabetic  
mice)  
Elliott, John F.; Qin, Hui-Yu; Bhatti, Sunita; Smith, Dean K.; Singh, Raj  
Kumari; Dillon, Tom; Lauzon, Jana; Singh, Bhagirath  
Diabetes, v43, n12, p1494(6)  
Dec, 1994  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0012-1797 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 5036 LINE COUNT: 00414

4/3/15 (Item 6 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01484842 SUPPLIER NUMBER: 15614506 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Ability of HIV to promote **TH1** to TH0 shift and to replicate  
preferentially in **TH2** and TH0 cells.  
Maggi, Enrico; Mazzetti, Marcello; Ravina, Adriana; Annunziato, Francesco;  
Carli, Marco De; Piccinini, Marie Pierre; Manetti, Roberto; Carbonari,  
Maurizio; Pesce, Anna Maria; Del Prete, Gianfranco; Romagnani, Sergio  
Science, v265, n5169, p244(5)  
July 8, 1994  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Academic  
WORD COUNT: 2739 LINE COUNT: 00217

4/3/16 (Item 7 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01418007 SUPPLIER NUMBER: 13778717 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Intraepithelial dendritic cells and selective activation of **Th2**-like  
lymphocytes in patients with atopic asthma.  
Bellini, Alberto; Vittori, Enza; Marini, Maurizio; Ackerman, Victoria;  
Mattoli, Sabrina  
Chest, v103, n4, p997(9)  
April, 1993  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0012-3692 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 4543 LINE COUNT: 00454

4/3/17 (Item 1 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

16102379 Genuine Article#: YD108 No. References: 31  
Title: Constraints on CD4 recovery postchemotherapy in adults: Thymic  
insufficiency and apoptotic decline of **expanded** peripheral CD4  
cells  
Author(s): Hakim FT (REPRINT) ; Cepeda R; Kaimei S; Mackall CL; McAtee N;  
Zujewski J; Cowan K; Gress RE  
Corporate Source: NCI,MED BRANCH, NIH, BLDG 10, ROOM  
12N226/BETHESDA//MD/20892 (REPRINT); NCI,PEDIAT BRANCH,  
NIH/BETHESDA//MD/20892  
Journal: BLOOD, 1997, V90, N9 (NOV 1), P3789-3798  
ISSN: 0006-4971 Publication date: 19971101  
Publisher: W B SAUNDERS CO, INDEPENDENCE SQUARE WEST CURTIS CENTER, STE  
300, PHILADELPHIA, PA 19106-3399  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

4/3/18 (Item 2 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

16100901 Genuine Article#: YC907 No. References: 59  
Title: Costimulation of human natural killer cell proliferation: Role of  
accessory cytokines and cell contact-dependent signals  
Author(s): Robertson MJ (REPRINT) ; Cameron C; Lazo S; Cochran KJ; Voss SD;  
Ritz J  
Corporate Source: INDIANA UNIV,MED CTR, DIV HEMATOL ONCOL, 550 N UNIV BLVD,  
ROOM 6611/INDIANAPOLIS//IN/46202 (REPRINT); HARVARD UNIV,SCH MED, DANA  
FARBER CANC INST, DIV HEMATOL MALIGNANCIES/BOSTON//MA/02115; HARVARD  
UNIV,SCH MED, DEPT MED/BOSTON//MA/  
Journal: NATURAL IMMUNITY, 1997, V15, N5, P213-226  
ISSN: 1018-8916 Publication date: 19970000

4/3/19 (Item 3 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14678415 Genuine Article#: UD846 No. References: 51  
Title: **EXPANDED** CD4(+)CD45RO(+) PHENOTYPE AND DEFECTIVE PROLIFERATIVE  
RESPONSE IN T-LYMPHOCYTES FROM PATIENTS WITH CROHNS-DISEASE  
Author(s): ROMAN LI; MANZANO L; DELAHERA A; ABREU L; ROSSI I; ALVAREZMON M  
Corporate Source: UNIV ALCALA DE HENARES,DEPT MED,CARRETERA MADRID  
BARCELONA,KM 33600/E-28871 ALCALA DE HENARES/MADRID/SPAIN/; UNIV ALCALA  
DE HENARES,PRINCIPE ASTURIAS HOSP,DEPT MED/MADRID//SPAIN/; CSIC,CTR  
INVEST BIOL/MADRID//SPAIN/; UNIV AUTONOMA MADRID,DEPT  
GASTROENTEROL,PUERTA HIERRO HOSP/MADRID//SPAIN/  
Journal: GASTROENTEROLOGY, 1996, V110, N4 (APR), P1008-1019  
ISSN: 0016-5085  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/20 (Item 1 from file: 452)  
DIALOG(R)File 452:Drug Data Report  
(c) 1997 J.R. Prous S.A. All rts. reserv.

00091361 (Image Available)  
DRUG NAME: K-17  
NSC-66847  
GENERIC NAME: Thalidomide (recommended INN; BAN; USAN)  
BRAND NAME: Synovir (Celgene Corp.)  
CHEM NAME: 2-(2,6-Dioxopiperidin-3-yl)-2,3-dihydro-1H-isoindole-1,3-dio  
ne  
N-(2,6-Dioxopiperidin-3-yl)phthalimide  
alpha-(N-Phthalimido)glutarimide  
FORMULA: C13H10N2O4  
CAS REG. NO.: 50-35-1  
DEVEL. PHASE: Preregistered  
ORIGINATOR: Andrulis  
EntreMed  
Rockefeller Univ.  
CLASS: 2000 (Antiarthritic)  
2454 (TNF Inhibitor)  
9200 (Cognition Disorders, Agent for)  
12340 (Multiple Sclerosis, Agent for)  
33500 (Septic Shock, Treatment for)  
43200 (Antidiabetic, Symptomatic)  
71580 (Cachexia, Treatment for)  
75000 (Antineoplastic)  
75751 (Antiangiogenic)

? ds

Set	Items	Description
S1	27951	TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W)(2 OR 3))
S2	1228	S1 AND MITOGEN?
S3	40	S2 AND EXPAND?
S4	20	RD (unique items)

? s s2 and cd?

>>>File 5 processing for CD? stopped at CD30  
>>>File 73 processing for CD? stopped at CD69A  
<-----User Break----->  
u!  
? s s2 and antcd?



```

          1228  S2
          315  ANTICD?
S5         0   S2 AND ANTICD?
? ds

```

```

Set      Items  Description
S1       27951  TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W) (2 OR 3))
S2       1228   S1 AND MITOGEN?
S3       40     S2 AND EXPAND?
S4       20     RD (unique items)
S5       0      S2 AND ANTICD?
? s s1 and cd2

```

```

          27951  S1
          27905  CD2
S6       212    S1 AND CD2
? rd

```

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>>>Duplicate detection is not supported for File 42.
>>>Duplicate detection is not supported for File 140.
>>>Duplicate detection is not supported for File 187.
>>>Duplicate detection is not supported for File 189.
>>>Duplicate detection is not supported for File 286.
>>>Duplicate detection is not supported for File 428.
>>>Duplicate detection is not supported for File 429.
>>>Duplicate detection is not supported for File 441.
>>>Duplicate detection is not supported for File 446.
>>>Duplicate detection is not supported for File 449.
>>>Duplicate detection is not supported for File 452.
>>>Duplicate detection is not supported for File 455.
>>>Duplicate detection is not supported for File 456.
>>>Duplicate detection is not supported for File 351.

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>>>Records from unsupported files will be retained in the RD set.
...examined 50 records (50)
...examined 50 records (100)
...examined 50 records (150)
...examined 50 records (200)
...completed examining records
S7       104    RD (unique items)
? t s7/3/1-104

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7/3/1      (Item 1 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)
(c) 1997 BIOSIS. All rts. reserv.

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13735400    BIOSIS Number: 99735400
Bile duct epithelia as target cells in primary biliary cirrhosis and
primary sclerosing cholangitis
Dienes H P; Lohse A W; Gerken G; Schirmacher P; Gallati H; Loehr H F;
Meyer Zum Bueschenfelde K H
Inst. Pathol., Cologne Univ., Joseph-Stelzmann-Str. 9, D-50924 Cologne,
Germany
Virchows Archiv 431 (2). 1997. 119-124.
Full Journal Title: Virchows Archiv
ISSN: 0945-6317
Language: ENGLISH
Print Number: Biological Abstracts Vol. 104 Iss. 008 Ref. 110181

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7/3/2      (Item 2 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)

```

(c) 1997 BIOSIS. All rts. reserv.

13477241 BIOSIS Number: 99477241

Retinol (vitamin A) is a cofactor in CD3-induced human T-lymphocyte activation

Allende L M; Corell A; Madrono A; Gongora R; Rodriguez-Gallego C; Lopez-Goyanes A; Rosal M; Arnaiz-Villena A

Dep. Immunol., Hosp. Univ. 12 de Octubre, Univ. Complutense, Carretera de Andalucia, E-28041 Madrid, Spain

Immunology 90 (3). 1997. 388-396.

Full Journal Title: Immunology

ISSN: 0019-2805

Language: ENGLISH

Print Number: Biological Abstracts Vol. 103 Iss. 009 Ref. 132910

7/3/3 (Item 3 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1997 BIOSIS. All rts. reserv.

13472451 BIOSIS Number: 99472451

Growth transformation of antigen-specific T cell lines from rhesus monkeys by Herpesvirus saimiri

Meinl E; Fickenscher H; Hoch R M; De Waal Malefyt R; T' hart B A; Wekerle H; Hohlfield R; Fleckenstein B

Inst. Klinische Mol. Virol., Univ. Erlangen-Nuernberg, Schlossgarten 4, D-91054 Erlangen, Germany

Virology 229 (1). 1997. 175-182.

Full Journal Title: Virology

ISSN: 0042-6822

Language: ENGLISH

Print Number: Biological Abstracts Vol. 103 Iss. 009 Ref. 128120

7/3/4 (Item 4 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1997 BIOSIS. All rts. reserv.

13423392 BIOSIS Number: 99423392

Functional phenotype of transformed human alpha-beta and gamma-delta T cells determined by different subgroup C strains of herpesvirus saimiri

Fickenscher H; Boekel C; Knappe A; Brigitte B; Meinl E; Fleischer B; Fleckenstein B; Broeker B M

Inst. Klinische und Molekulare Virologie, Friedrich-Alexander-Univ. Erlangen-Nuerberg, Schlossgarten 4, D-91054 Erlangen, Germany

Journal of Virology 71 (3). 1997. 2252-2263.

Full Journal Title: Journal of Virology

ISSN: 0022-538X

Language: ENGLISH

Print Number: Biological Abstracts Vol. 103 Iss. 007 Ref. 095535

7/3/5 (Item 5 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1997 BIOSIS. All rts. reserv.

13410429 BIOSIS Number: 99410429

CD4 dependence of activation threshold and TCR signalling in mouse T lymphocytes

Feito M J; Ballester S; Diez-Orejas R; Ojeda G; Criado G; Portoles P; Rojo J M

Centro Investigaciones Biol., CSIC, Velazquez 144, E-28006 Madrid, Spain

Scandinavian Journal of Immunology 45 (2). 1997. 166-174.

Full Journal Title: Scandinavian Journal of Immunology

ISSN: 0300-9475

7/3/6 (Item 6 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13335620 BIOSIS Number: 99335620  
Antigen-independent responsiveness to interleukin-4 demonstrates  
differential regulation of newborn human T cells  
Early E M; Reen D J  
Children's Res. Cent., Our Lady's Hosp. Sick Children, Crumlin, Dublin  
12, Ireland  
European Journal of Immunology 26 (12). 1996. 2885-2889.  
Full Journal Title: European Journal of Immunology  
ISSN: 0014-2980  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 103 Iss. 003 Ref. 038734

7/3/7 (Item 7 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13329228 BIOSIS Number: 99329228  
Detection of Pityrosporum orbiculare reactive T cells from skin and blood  
in atopic dermatitis and characterization of their cytokine profiles  
Tengvall Linder M; Johansson C; Zargari A; Bengtsson A; Van Der Ploeg I;  
Jones I; Harfast B; Scheynius A  
Div. Clinical Immunology, Dep. Lab. Med., Karolinska Hosp., S-171 76  
Stockholm, Sweden  
Clinical and Experimental Allergy 26 (11). 1996. 1286-1297.  
Full Journal Title: Clinical and Experimental Allergy  
ISSN: 0954-7894  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 103 Iss. 003 Ref. 032342

7/3/8 (Item 8 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13324460 BIOSIS Number: 99324460  
Coexistence of **TH1**- and **TH2**-type cytokine profiles in anti-  
**CD2** monoclonal antibody-induced tolerance  
Krieger N R; Most D; Bromberg J S; Holm B; Huie P; Sibley R K; Dafoe D C;  
Alfrey E J  
Dep. Surg., MSOB x316, Stanford, CA 94305, USA  
Transplantation (Baltimore) 62 (9). 1996. 1285-1292.  
Full Journal Title: Transplantation (Baltimore)  
ISSN: 0041-1337  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 103 Iss. 002 Ref. 027574

7/3/9 (Item 9 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13204835 BIOSIS Number: 99204835  
Selective stimulation of T helper 2 cytokine responses by the  
anti-psoriasis agent monomethylfumarate  
De Jong R; Bezemer A C; Zomerdijs T P L; Van De Pouw-Kraan T; Ottenhoff T  
H M; Nibbering P H

Dep. Immunohematol. Bloodbank, Build. 1, E3-Q, Univ. Hosp. Leiden, P.O.  
Box 9600, 2300 RC Leiden, Netherlands  
European Journal of Immunology 26 (9). 1996. 2067-2074.  
Full Journal Title: European Journal of Immunology  
ISSN: 0014-2980  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 009 Ref. 136842

7/3/10 (Item 10 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13192631 BIOSIS Number: 99192631  
Cytokine production by T-cell clones from bronchoalveolar lavage fluid of  
patients with asthma and healthy subjects  
Krouwels F H; Hol B E A; Bruinier B; Lutter R; Jansen H M; Out T A  
Academic Med. Centre, Univ. Amsterdam, Clinical Immunology Lab., B1-236,  
P.O. Box 22700, 1100 DE Amsterdam, Netherlands  
European Respiratory Journal Supplement 9 (SUPPL. 22). 1996. 95S-103S.  
Full Journal Title: European Respiratory Journal Supplement  
ISSN: 0904-1850  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 008 Ref. 124638

7/3/11 (Item 11 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13103536 BIOSIS Number: 99103536  
Co-stimulation-induced release of pro-inflammatory cytokine interleukin-8  
by allergen-specific T cells  
Spinozzi F; Agea E; Piattoni S; Bistoni O; Grignani F; Bertotto A  
Ist. di Med. Internal Sci. Oncol., Policlinico Monteluce, I-06100  
Perugia, Italy  
Scandinavian Journal of Immunology 44 (1). 1996. 80-84.  
Full Journal Title: Scandinavian Journal of Immunology  
ISSN: 0300-9475  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 005 Ref. 068985

7/3/12 (Item 12 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

13041905 BIOSIS Number: 99041905  
Immunoregulatory events in the skin of patients with cutaneous T-cell  
lymphoma  
Hansen E R  
Dep. Dermatol., Gentofte Hosp., Niels Andersenvej 65, 2900 Hellerup,  
Denmark  
Archives of Dermatology 132 (5). 1996. 554-561.  
Full Journal Title: Archives of Dermatology  
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Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 002 Ref. 024078

7/3/13 (Item 13 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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13006466 BIOSIS Number: 99006466

Distinct regulatory roles of lymphocyte costimulatory pathways on T helper type 2-mediated autoimmune disease  
Biancone L; Andres G; Ahn H; Lim A; Dai C; Noelle R; Yagita H; De Martino C; Stamenkovic I  
Dep. Pathology, Harvard Med. Sch. Pathol. Res., Massachusetts General Hosp., 149 13th Street, Charlestown Navy Yard, Boston, MA 02129, USA  
Journal of Experimental Medicine 183 (4). 1996. 1473-1481.  
Full Journal Title: Journal of Experimental Medicine  
ISSN: 0022-1007  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 001 Ref. 006466

7/3/14 (Item 14 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

12008300 BIOSIS Number: 98608300  
Suppressor T cell-activating macrophages in ultraviolet-irradiated human skin induce a novel, TGF-beta-dependent form of T cell activation characterized by deficient IL-2r-alpha expression  
Stevens S R; Shibaki A; Meunier L; Cooper K D  
Dep. Dermatol., Case Western Reserve Univ., 11,100 Euclid Ave., Cleveland, OH 44106-5028, USA  
Journal of Immunology 155 (12). 1995. 5601-5607.  
Full Journal Title: Journal of Immunology  
ISSN: 0022-1767  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 101 Iss. 003 Ref. 036005

7/3/15 (Item 15 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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11963642 BIOSIS Number: 98563642  
High-level IL-10 production by monoclonal antibody-stimulated human T cells  
Schwarz M; Majdic O; Knapp W; Holter W  
Inst. Immunol., Borschkef. 8a, A-1090 Vienna, Austria  
Immunology 86 (3). 1995. 364-371.  
Full Journal Title: Immunology  
ISSN: 0019-2805  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 101 Iss. 001 Ref. 006447

7/3/16 (Item 16 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11892835 BIOSIS Number: 98492835  
Costimulation of CD3-TcR complex with either integrin or nonintegrin ligands protects CD4+ allergen-specific T-cell clones from programmed cell death  
Agea E; Bistoni O; Bini P; Migliorati G; Nicoletti I; Bassotti G; Riccardi C; Bertotto A; Spinozzi F  
Inst. Med. Interna Sci. Oncol., Policlin. Monteluce, I-06100 Perugia, Italy  
Allergy (Copenhagen) 50 (8). 1995. 677-682.  
Full Journal Title: Allergy (Copenhagen)  
ISSN: 0105-4538  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 100 Iss. 010 Ref. 143692

7/3/17 (Item 17 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11681621 BIOSIS Number: 98281621  
Rationale for cytokine and anti-cytokine therapy of Candida albicans infection  
Mencacci A; Cenci E; Spaccapelo R; Tonnetti L; Romani L; Puccetti P; Bistoni F  
Dep. Exp. Med. Biochem. Sci., Microbiol. Sect., Univ. Perugia, Via Giochetto, 06122 Perugia, Italy  
Journal de Mycologie Medicale 5 (1). 1995. 25-30.  
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ISSN: 1156-5233  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 100 Iss. 001 Ref. 006459

7/3/18 (Item 18 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11667594 BIOSIS Number: 98267594  
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Nambu M; Hagen M; Sandor M; Sacco R E; Kwack K; Lynch R G  
Dep. Pathology, 375 MRC, Coll. Med., Univ. Iowa, Iowa City, IA 52242, USA  
Immunology Letters 44 (2-3). 1995. 163-167.  
Full Journal Title: Immunology Letters  
ISSN: 0165-2478  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 099 Iss. 012 Ref. 172512

7/3/19 (Item 19 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11451456 BIOSIS Number: 98051456  
Polyclonal B cell activation induced by herpesvirus Saimiri-transformed human CD4+ T cell clones: Role of membrane TNF-alpha-TNF-alpha receptors and CD2-CD58 interactions  
Del Prete G; De Carli M; D'Elia M M; Fleckenstein I M; Fickenscher H; Fleckenstein B; Almerigogna F; Romagnani S  
Allergy Clin. Immunol., Ist. Clin. Med. 3, Viale Morgagni 85, I-50134 Firenze, Italy  
Journal of Immunology 153 (11). 1994. 4872-4879.  
Full Journal Title: Journal of Immunology  
ISSN: 0022-1767  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 099 Iss. 003 Ref. 036000

7/3/20 (Item 20 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11405990 BIOSIS Number: 98005990  
HIV-1 gp160 as a modifier of Th1 and Th2 cytokine response: Gp 160 suppresses interferon-gamma and interleukin-2 production concomitantly with enhanced interleukin-4 production in vitro  
Hu R; Oyaizu N; Kalyanaraman V S; Pahwa S  
BioMed. Research Building, Room 303, Dep. Pediatr., Div. Allergy/Immunol., NSUH-CUMC, 350 Community Drive, Manhasset, NY 11030, USA  
Clinical Immunology and Immunopathology 73 (2). 1994. 245-251.

Full Journal Title: Clinical Immunology and Immunopathology  
ISSN: 0090-1229  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 099 Iss. 001 Ref. 005990

7/3/21 (Item 21 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11127704 BIOSIS Number: 97327704  
TCR-Dependent and -independent signaling mechanisms differentially regulate lymphokine gene expression in the murine T helper clone D10.G4.1  
Naora H; Altin J G; Young I G  
Res. Sch. Biol. Sci., Australian National University, GPO Box 475, Canberra, ACT 2601, AUL  
Journal of Immunology 152 (12). 1994. 5691-5702.  
Full Journal Title: Journal of Immunology  
ISSN: 0022-1767  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 098 Iss. 003 Ref. 034216

7/3/22 (Item 22 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

11039179 BIOSIS Number: 97239179  
Anti-CD2 mAbs suppress cytotoxic lymphocyte activity by the generation of Th2 suppressor cells and receptor blockade  
Chavin K D; Qin L; Yon R; Lin J; Yagita H; Bromberg J S  
Transplant Program 404 CSB, Med. Univ. South Carolina, 171 Ashley Ave., Charleston, SC 29425, USA  
Journal of Immunology 152 (8). 1994. 3729-3739.  
Full Journal Title: Journal of Immunology  
ISSN: 0022-1767  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 097 Iss. 011 Ref. 156294

7/3/23 (Item 23 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10494836 BIOSIS Number: 96094836  
ACTIVATION OF CD4 POSITIVE T CELLS INCREASED T-H-2-TYPE CYTOKINE MRNA EXPRESSION AND EOSINOPHIL RECRUITMENT IN BRONCHOALVEOLAR LAVAGE AFTER ALLERGEN INHALATION CHALLENGE IN PATIENTS WITH ATOPIC ASTHMA  
ROBINSON D; HAMID Q; BENTLEY A; YING S; KAY A B; DURHAM S R  
DEP. ALLERGY CLINICAL IMMUNOL., NATL. HEART LUNG INST., DOVE HOUSE ST., LONDON, SW3 6LY, ENGLAND.  
J ALLERGY CLIN IMMUNOL 92 (2). 1993. 313-324. CODEN: JACIB  
Full Journal Title: Journal of Allergy and Clinical Immunology  
Language: ENGLISH

7/3/24 (Item 24 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10476054 BIOSIS Number: 96076054  
DIFFERENTIAL ACTIVATION OF TH1 AND TH2 CD4-POSITIVE CELLS BY MURINE BRAIN MICROVESSEL ENDOTHELIAL CELLS AND SMOOTH MUSCLE-PERICYTES  
FABRY Z; SANDOR M; GAJEWSKI T F; HERLEIN J A; WALDSCHMIDT M M; LYNCH R G; HART M N

DEP. PATHOL., UNIV. IOWA COLL. MED., 148 MED. LAB., IOWA CITY, IA 52242, USA.

J IMMUNOL 151 (1). 1993. 38-47. CODEN: JOIMA

Full Journal Title: Journal of Immunology

Language: ENGLISH

7/3/25 (Item 25 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10436487 BIOSIS Number: 96036487

DIRECT EFFECTS OF IL-10 ON SUBSETS OF HUMAN CD4 POSITIVE T CELL CLONES AND RESTING T CELLS SPECIFIC INHIBITION OF IL-2 PRODUCTION AND PROLIFERATION

DE WAAL MALEFYT R; YSSEL H; DE VRIES J E

HUMAN IMMUNOL. DEP., DNAX RES. INST., 901 CALIFORNIA AVE., PALO ALTO, CA 94304-1104.

J IMMUNOL 150 (11). 1993. 4754-4765. CODEN: JOIMA

Full Journal Title: Journal of Immunology

Language: ENGLISH

7/3/26 (Item 26 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10074556 BIOSIS Number: 95074556

DEVELOPMENT OF HUMAN TH1 AND TH2 CYTOKINE RESPONSES THE CYTOKINE PRODUCTION PROFILE OF T CELLS IS DICTATED BY THE PRIMARY IN-VITRO STIMULUS

VAN DER POWW-KRAAN T; DE JONG R; AARDEN L

CENT. LAB. NETHERLANDS RED CROSS BLOOD TRANSFUSION SERVICE, PLESMANLAAN 125, NL-1066 CX AMSTERDAM, THE NETHERLANDS.

EUR J IMMUNOL 23 (1). 1993. 1-5. CODEN: EJIMA

Full Journal Title: European Journal of Immunology

Language: ENGLISH

7/3/27 (Item 27 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

9507453 BIOSIS Number: 94012453

HOUSE DUST MITE-SPECIFIC T CELLS IN THE SKIN OF SUBJECTS WITH ATOPIC DERMATITIS FREQUENCY AND LYMPHOKINE PROFILE IN THE ALLERGEN PATCH TEST

SAGER N; FELDMANN A; SCHILLING G; KREITSCH P; NEUMANN C

DEP. DERMATOL., MED. SCH. HANNOVER, RICKLINGER STR. 5, 3000 HANNOVER 91, GER.

J ALLERGY CLIN IMMUNOL 89 (4). 1992. 801-810. CODEN: JACIB

Full Journal Title: Journal of Allergy and Clinical Immunology

Language: ENGLISH

7/3/28 (Item 28 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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9075276 BIOSIS Number: 93060276

TH1 LYMPHOKINE PRODUCTION PROFILES OF NICKEL-SPECIFIC CD4 POSITIVE T-LYMPHOCYTE CLONES FROM NICKLE CONTACT ALLERGIC AND NON-ALLERGIC INDIVIDUALS

KAPSENBERG M L; WIERENGA E A; STIEKEMA F E M; TIGGELMAN A M B C; BOS J D

LAB. CELL BIOL. AND HISTOL., ACADEMISCH MEDISCH CENTRUM, MEIBERGDREEF 15, 1105 AZ AMSTERDAM, NETHERLANDS.



J INVEST DERMATOL 98 (1). 1992. 59-63. CODEN: JIDEA  
Full Journal Title: Journal of Investigative Dermatology  
Language: ENGLISH

7/3/29 (Item 29 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

9032491 BIOSIS Number: 93017491  
HUMAN ATOPEN-SPECIFIC TYPES 1 AND 2 T HELPER CELL CLONES  
WIERENGA E A; SNOEK M; JANSSEN H M; BOS J D; VAN LIER R A W; KAPSENBERG M  
L  
DEP. CELL BIOLOGY, UNIVERSITY AMSTERDAM, ACADEMISCH MEDISCH CENTRUM,  
MEIBERGDREEF 15, 1105 AZ AMSTERDAM, NETH.  
J IMMUNOL 147 (9). 1991. 2942-2949. CODEN: JOIMA  
Full Journal Title: Journal of Immunology  
Language: ENGLISH

7/3/30 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

10504185 EMBASE No: 97316702  
Essential lymphocyte function associated 1 (LFA-1): Intercellular  
adhesion molecule interactions for T cell-mediated B cell apoptosis by  
Fas/APO-1/CD95  
Wang J.; Lenardo M.J.  
M.J. Lenardo, Laboratory of Immunology, NIAID, NIH, 10 Center Drive MSC  
1892, Bethesda, MD 20892-1892 USA  
Journal of Experimental Medicine (USA) , 1997, 186/7 (1171-1176) CODEN:  
JEMEA ISSN: 0022-1007  
DOCUMENT TYPE: Journal  
LANGUAGES: English SUMMARY LANGUAGES: English  
NUMBER OF REFERENCES: 26

7/3/31 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

10213375 EMBASE No: 97021290  
CD2 -CD58 interaction and the control of T-Cell interleukin-12  
responsiveness: Adhesion molecules link innate and acquired immunity  
Gollob J.A.; Ritz J.  
USA  
Annals of the New York Academy of Sciences (USA) , 1996, 795/- (71-81)  
CODEN: ANYAA ISSN: 0077-8923  
DOCUMENT TYPE: Journal  
LANGUAGES: English SUMMARY LANGUAGES: English  
NUMBER OF REFERENCES: 25

7/3/32 (Item 3 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

10156051 EMBASE No: 96344227  
Regulation of immune responses of the intestinal mucosa  
Abreu-Martin M.T.; Targan S.R.  
Inflammatory Bowel Disease Center, Cedars-Sinai Medical Center, Los  
Angeles, CA 90048 USA  
Critical Reviews in Immunology (USA) , 1996, 16/3 (277-309) CODEN: CCRID  
ISSN: 1040-8401

LANGUAGES: English SUMMARY LANGUAGES: English

7/3/33 (Item 4 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

9718915 EMBASE No: 95269685  
Mercuric chloride, a chemical responsible for T helper cell (Th)  
2-mediated autoimmunity in brown Norway rats, directly triggers T  
cells to produce interleukin-4  
Prigent P.; Saoudi A.; Pannetier C.; Graber P.; Bonnefoy J.-Y.; Druet P.;  
Hirsch F.  
INSERM U28, Hopital Broussais, 96 rue Didot, 75014, Paris France  
Journal of Clinical Investigation (USA) , 1995, 96/3 (1484-1489) CODEN:  
JCINA ISSN: 0021-9738  
LANGUAGES: English SUMMARY LANGUAGES: English

7/3/34 (Item 5 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

9372732 EMBASE No: 94323769  
Activated T cells and cytokines in bronchoalveolar lavages from patients  
with various lung diseases associated with eosinophilia  
Walker C.; Bauer W.; Braun R.K.; Menz G.; Braun P.; Schwarz F.; Hansel  
T.T.; Villiger B.  
Preclinical Research, Building 386, Sandoz Pharma AG, CH-4002 Basel  
Switzerland  
AM. J. RESPIR. CRIT. CARE MED. (USA) , 1994, 150/4 (1038-1048) CODEN:  
AJCME ISSN: 1073-449X  
LANGUAGES: English SUMMARY LANGUAGES: English

7/3/35 (Item 6 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

8846614 EMBASE No: 93150357  
Direct effects of IL-10 on subsets of human CD4+ T cell clones and  
resting T cells: Specific inhibition of IL-2 production and proliferation  
De Waal Malefyt R.; Yssel H.; De Vries J.E.  
Human Immunology Department, DNAX Research Institute, 901 California  
Ave., Palo Alto, CA 94304-1104 USA  
J. IMMUNOL. (USA) , 1993, 150/11 (4754-4765) CODEN: JOIMA ISSN:  
0022-1767  
LANGUAGES: English SUMMARY LANGUAGES: English

7/3/36 (Item 7 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

8728162 EMBASE No: 93031887  
Development of human Th1 and Th2 cytokine responses: The  
cytokine production profile of T cells is dictated by the primary in vitro  
stimulus  
Van der Pouw-Kraan T.; De Jong R.; Aarden L.  
Central Laboratory, Netherlands Red Cross, Blood Transfusion Service  
(CLB), Plesmanlaan 125, NL-1066 CX Amsterdam Netherlands  
EUR. J. IMMUNOL. (Germany) , 1993, 23/1 (1-5) CODEN: EJIMA ISSN:  
0014-2980  
LANGUAGES: English SUMMARY LANGUAGES: English

7/3/37 (Item 8 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1997 Elsevier Science B.V. All rts. reserv.

8345021 EMBASE No: 92022117  
Th1 lymphokine production profiles of nickel-specific CD4+  
T-lymphocyte clones from nickel contact allergic and non-allergic  
individuals  
Kapsenberg M.L.; Wierenga E.A.; Stiekema F.E.M.; Tiggeleman A.M.B.C.; Bos  
J.D.  
Laboratory of Cell Biology and Histology, Academisch Medisch Centrum,  
Meibergdreef 15, 1105 AZ Amsterdam Netherlands  
J. INVEST. DERMATOL. (USA), 1992, 98/1 (59-63) CODEN: JIDEA ISSN:  
0022-202X ADONIS ORDER NUMBER: 0022202X9200010H  
LANGUAGES: English SUMMARY LANGUAGES: English

7/3/38 (Item 1 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

02165334 4085486  
Detection of Pityrosporum orbiculare reactive T cells from skin and blood  
in atopic dermatitis and characterization of their cytokine profiles  
Linder, M.T.; Johansson, C.; Zargari, A.; Bengtsson, Aa.; Van Der Ploeg, I.  
; Jones, I.; Haerfast, B.; Scheynius, A.  
Div. Clin. Immun., Dep. Lab. Med., Karolinska Hosp., S-171 76 Stockholm,  
Sweden  
CLIN. EXP. ALLERGY vol. 26, no. 11, pp. 1286-1297 (1996)  
ISSN: 0954-7894  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts; Microbiology Abstracts C: Algology, Mycology  
& Protozoology

7/3/39 (Item 2 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

02137614 4045776  
Characteristic T helper 2 T cell cytokine abnormalities in autoimmune  
lymphoproliferative syndrome, a syndrome marked by defective apoptosis  
and humoral autoimmunity  
Fuss, I.J.; Strober, W.; Dale, J.K.; Fritz, S.; Pearlstein, G.R.; Puck,  
J.M.; Lenardo, M.J.; Straus, S.E.  
MIS, LCI, NIAID, Bldg. 10, Rm. 11N238, NIH, Bethesda, MD 20892, USA  
J. IMMUNOL. vol. 158, no. 4, pp. 1912-1918 (1997)  
ISSN: 0022-1767  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

7/3/40 (Item 3 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

02108483 4009347  
Molecular interaction between CD58 and CD2 counter-receptors mediates  
the ability of monocytes to augment T cell activation by IL-12  
Gollob, J.A.; Li, Jing; Kawasaki, H.; Daley, J.F.; Groves, C.; Reinherz,  
E.L.; Ritz, J.  
Dana-Farber Cancer Inst., 44 Binney St., Mayer Bldg. 726, Boston, MA 02115,  
USA  
J. IMMUNOL. vol. 157, no. 5, pp. 1886-1893 (1996)

ISSN: 0022-1767  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

7/3/41 (Item 4 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

02104625 4004390  
Regulation of immune responses of the intestinal mucosa  
Abreu Martin, M.T.; Targan, S.R.  
Inflammatory Bowel Dis. Cent., Cedars-Sinai Med. Cent., Los Angeles, CA  
90048, USA  
CRIT. REV. IMMUNOL. vol. 16, no. 3, pp. 277-309 (1996)  
ISSN: 1040-8401  
DOCUMENT TYPE: Journal article; Review article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

7/3/42 (Item 5 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01973671 3822956  
Antigen-dependent activation of T helper cell subsets by endothelium  
Briscoe, D.M.; DesRoches, L.E.; Kiely, J. M.; Lederer, J.A.; Lichtman, A.H.  
Dep. Pathol., Brigham and Women's Hosp., 221 Longwood Ave., Boston, MA  
02115, USA  
TRANSPLANTATION vol. 59, no. 11, pp. 1638-1641 (1995)  
ISSN: 0041-1337  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

7/3/43 (Item 6 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01973590 3822875  
Costimulation of CD3/TcR complex with either integrin or nonintegrin  
ligands protects CD4 super(+) allergen-specific T-cell clones from  
programmed cell death  
Agea, E.; Bistoni, O.; Bini, P.; Migliorati, G.; Nicoletti, I.; Bassotti,  
G.; Riccardi, C.; Bertotto, A.; Spinozzi, F.  
Ist. Med. Interna e Sci. Oncol., Policlin. Montelucente, I-06100 Perugia,  
Italy  
ALLERGY vol. 50, no. 8, pp. 677-682 (1995)  
ISSN: 0105-4538  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

7/3/44 (Item 7 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01904559 3716367  
High IL-4 production is a stable phenotype of CD8 super(neg)CD45RA  
super(neg)CD27 super(neg) T cells  
Sunder Plassmann, R.; Majdic, O.; Knapp, W.; Holter, W.  
Inst. Immunol.-Vienna Int. Res. Coop. Cent. (VIRCC), Univ. Vienna, Austria  
CELL. IMMUNOL. vol. 160, no. 2, pp. 309-313 (1995)  
ISSN: 0008-8749  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH

SUBFILE: Immunology Abstracts

7/3/45 (Item 8 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01766297 3528519  
Direct effects of IL-10 on subsets of human CD4 super(+) T cell clones and resting T cells. Specific inhibition of IL-2 production and proliferation  
De Waal Malefyt, R.; Yssel, H.; De Vries, J.E.  
Hum. Immunol. Dep., DNAX Res. Inst., 901 California Ave., Palo Alto, CA 94304-1104, USA  
J. IMMUNOL. vol. 150, no. 11, pp. 4754-4765 (1993)  
ISSN: 0022-1767  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

7/3/46 (Item 9 from file: 76)  
DIALOG(R)File 76:Life Sciences Collection  
(c) 1997 Cambridge Sci Abs. All rts. reserv.

01655656 2882411  
Development of human Th1 and Th2 cytokine responses: The cytokine production profile of T cells is dictated by the primary in vitro stimulus.  
van der Pouw Kraan, T.; de Jong, R.; Aarden, L.  
Cent. Lab. Netherlands Red Cross Blood Transfus. Serv. (CLB), Plesmanlaan 125, NL-1066 CX, Amsterdam, Netherlands  
EUR. J. IMMUNOL. vol. 23, no. 1, pp. 1-5 (1993.)  
ISSN: 0014-2980  
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH  
SUBFILE: Immunology Abstracts

7/3/47 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 1997 INIST/CNRS. All rts. reserv.

12272706 PASCAL No.: 95-0502740  
Costimulation of CD3/TcR complex with either integrin or nointegrin ligands protects CD4 SUP + allergen-specific T-cell clones from programmed cell death  
AGEA E; BISTONI O; BINI P; MIGLIORATI G; NICOLETTI I; BASSOTTI G; RICCARDI C; BERTOTTO A; SPINOZZI F  
Univ. Perugia, dep. internal medicine, 60100 Perugia, Italy  
Journal: Allergy : (Copenhagen), 1995, 50 (8) 677-682  
Language: English

7/3/48 (Item 1 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01489628 SUPPLIER NUMBER: 16216642 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
A potential vaccine strategy for asthma and allied atopic diseases during early childhood. (Column)  
Holt, Patrick G.  
The Lancet, v344, n8920, p456(3)  
August 13, 1994  
DOCUMENT TYPE: Column PUBLICATION FORMAT: Magazine/Journal ISSN: 0099-5355 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
TARGET AUDIENCE: Professional  
WORD COUNT: 2552 LINE COUNT: 00214

7/3/49 (Item 2 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01484842 SUPPLIER NUMBER: 15614506 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Ability of HIV to promote **TH1** to **TH0** shift and to replicate preferentially in **TH2** and **TH0** cells.  
Maggi, Enrico; Mazzetti, Marcello; Ravina, Adriana; Annunziato, Francesco; Carli, Marco De; Piccinini, Marie Pierre; Manetti, Roberto; Carbonari, Maurizio; Pesce, Anna Maria; Del Prete, Gianfranco; Romagnani, Sergio  
Science, v265, n5169, p244(5)  
July 8, 1994  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Academic  
WORD COUNT: 2739 LINE COUNT: 00217

7/3/50 (Item 3 from file: 149)  
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)  
(c) 1997 Info Access Co. All rts. reserv.

01423286 SUPPLIER NUMBER: 14048420 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Switch of CD8 T cells to noncytolytic CD8- CD4- cells that make **Th2** cytokines and help B cells.  
Erard, Francois; Wild, Marie-Therese; Garcia-Sanz, Jose A.; Le Gros, Graham  
Science, v260, n5115, p1802(4)  
June 18, 1993  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Academic  
WORD COUNT: 2114 LINE COUNT: 00167

7/3/51 (Item 1 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

08939081 97079717  
Delayed IgG2 humoral response in infants is not due to intrinsic T or B cell defects.  
Servet-Delprat C; Bridon JM; Djossou O; Yahia SA; Banchereau J; Briere F  
Schering-Plough, Laboratory for Immunological Research, Dardilly, France.  
Int Immunol (ENGLAND) Oct 1996, 8 (10) p1495-502, ISSN 0953-8178  
Journal Code: AY5  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

7/3/52 (Item 2 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

08825923 96430983  
Hypoproliferative human lamina propria T cells retain the capacity to secrete lymphokines when stimulated via **CD2/CD28** pathways.  
Boirivant M; Fuss I; Fiocchi C; Klein JS; Strong SA; Strober W  
Laboratory of Clinical Investigation, National Institute of Allergy and Infectious Diseases, NIH, Bethesda, MD 20892, USA.  
Proc Assoc Am Physicians (UNITED STATES) Jan 1996, 108 (1) p55-67, ISSN 1081-650X  
Journal Code: CDQ  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

7/3/53 (Item 3 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

08225294 95234633  
Impaired CD28-mediated co-stimulation in anergic T cells.  
Suzuki G; Nomura M; Uzawa A; Akashi M; Nakata Y  
Division of Clinical Research and Radiation Health, National Institute of  
Radiological Sciences, Chiba, Japan.  
Int Immunol (ENGLAND) Jan 1995, 7 (1) p37-43, ISSN 0953-8178  
Journal Code: AY5  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

7/3/54 (Item 4 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1997 Knight-Ridder Info. All rts. reserv.

07605490 93352988  
Activation of CD4+ T cells, increased TH2-type cytokine mRNA  
expression, and eosinophil recruitment in bronchoalveolar lavage after  
allergen inhalation challenge in patients with atopic asthma.  
Robinson D; Hamid Q; Bentley A; Ying S; Kay AB; Durham SR  
Department of Allergy and Clinical Immunology, National Heart and Lung  
Institute, London, England.  
J Allergy Clin Immunol (UNITED STATES) Aug 1993, 92 (2) p313-24,  
ISSN 0091-6749 Journal Code: H53  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

7/3/55 (Item 1 from file: 172)  
DIALOG(R)File 172:EMBASE Alert  
(c) 1997 Elsevier Science B.V. All rts. reserv.

00627629 EMBASE No: 97338413  
Defective integration of activating signals derived from the T cell  
receptor (TCR) and costimulatory molecules in both CD4sup + and CD8sup + T  
lymphocytes of common variable immunodeficiency (CVID) patients  
Thon V.; Wolf H.M.; Sasgary M.; Litzman J.; Samstag A.; Hauber I.; Lokaj  
J.; Eibl M.M.  
Dr. M.M. Eibl, Institute of Immunology, University of Vienna,  
Borschkegasse 8a, A-1090 Vienna Austria  
Clinical and Experimental Immunology (United Kingdom) , 1997  
VOL/ISS/PG: 110/2 (174-181) CODEN: CEXIA ISSN: 0009-9104  
LANGUAGES: English SUMMARY LANGUAGES: English

7/3/56 (Item 1 from file: 173)  
DIALOG(R)File 173:Adis LMS Drug Alerts  
(c) 1997 Adis International Ltd. All rts. reserv.

00402615 800490438  
TITLE: Coexistence of TH1- and TH2-type cytokine  
profiles in anti-CD2 monoclonal antibody-induced  
tolerance.  
AUTHOR: Krieger N R; Most D; Bromberg J S; et al  
JOURNAL: Transplantation (Transplantation) 62: 1285-1292, 15 Nov  
1996.  
PUBLICATION DATE: 15 November 1996 (19961115)  
LANGUAGE: English  
ADIS LMS: Transplant Rejection (Index only): Alert no. 1, 1997  
RECORD TYPE: Citation  
DOCUMENT TYPE: Animal, abstract

DESCRIPTORS: Anti-CD2-monoclonal-antibody-OX34, pharmacodynamics  
; Biotechnology; Heart-transplant-rejection;  
Research-and-development

7/3/57 (Item 2 from file: 173)  
DIALOG(R)File 173:Adis LMS Drug Alerts  
(c) 1997 Adis International Ltd. All rts. reserv.

00236083 800267561  
TITLE: Anti-CD2 mAbs suppress cytotoxic lymphocyte  
activity by the generation of Th2 suppressor cells  
and receptor blockade.  
AUTHOR: Chavin K D; Qin L; Yon R; et al  
JOURNAL: Journal of Immunology (J-Immunol) 152: 3729-3739, 15 Apr  
1994.  
PUBLICATION DATE: 15 April 1994 (19940415)  
LANGUAGE: English  
ADIS LMS: Transplant Rejection (Index only): Alert no. 6, 1994  
RECORD TYPE: Citation  
DOCUMENT TYPE: Animal

DESCRIPTORS: Biotechnology; Lymphocytes; Monoclonal-antibodies,  
pharmacodynamics; Research-and-development

7/3/58 (Item 1 from file: 377)  
DIALOG(R)File 377:Derwent Drug File  
(c) 1997 Derwent Info Ltd. All rts. reserv.

00686808 DERWENT ACCESSION NUMBER: 96-16830  
IL-12-induced IL10 production by human T cells as a negative feedback for  
IL-12-induced immune responses.  
Meygaard L; Hovenkamp E; Otto S A; Miedema F  
Univ.Amsterdam (Amsterdam, Neth.)  
J.Immunol. 156, No. 8, 2776-82, 1996

7/3/59 (Item 1 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

16100901 Genuine Article#: YC907 No. References: 59  
Title: Costimulation of human natural killer cell proliferation: Role of  
accessory cytokines and cell contact-dependent signals  
Author(s): Robertson MJ (REPRINT) ; Cameron C; Lazo S; Cochran KJ; Voss SD;  
Ritz J  
Corporate Source: INDIANA UNIV,MED CTR, DIV HEMATOL ONCOL, 550 N UNIV BLVD,  
ROOM 6611/INDIANAPOLIS//IN/46202 (REPRINT); HARVARD UNIV,SCH MED, DANA  
FARBER CANC INST, DIV HEMATOL MALIGNANCIES/BOSTON//MA/02115; HARVARD  
UNIV,SCH MED, DEPT MED/BOSTON//MA/  
Journal: NATURAL IMMUNITY, 1997, V15, N5, P213-226  
ISSN: 1018-8916 Publication date: 19970000  
Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL, SWITZERLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

7/3/60 (Item 2 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

16033349 Genuine Article#: XY655 No. References: 39  
Title: Selective inhibition of T cell proliferation but not expression of  
effector function by human alveolar macrophages



Author(s): Upham JW; Strickland DH; Robinson BWS; Holt PG (REPRINT)  
Corporate Source: TVW TELETHON INST CHILD HLTH RES, POB 855/PERTH/WA  
6872/AUSTRALIA/ (REPRINT); INST CHILD HLTH RES, DIV CELL  
BIOL/PERTH/WA/AUSTRALIA/; UNIV WESTERN AUSTRALIA, DEPT MED/NEDLANDS/WA  
6009/AUSTRALIA/  
Journal: THORAX, 1997, V52, N9 (SEP), P786-795  
ISSN: 0040-6376 Publication date: 19970900  
Publisher: BRITISH MED JOURNAL PUBL GROUP, BRITISH MED ASSOC HOUSE,  
TAVISTOCK SQUARE, LONDON, ENGLAND WC1H 9JR  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

7/3/61 (Item 3 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15501530 Genuine Article#: WL716 No. References: 63  
Title: Measurement of CD69 induction in the assessment of immune function  
in asymptomatic HIV-infected individuals  
Author(s): Peretto SP; Hickey TE; Blair PJ; Maino VC; Wagner KF; Zhou S;  
Mayers DL; StLouis D; June CH; Siegel JN (REPRINT)  
Corporate Source: US FDA, CTR BIOL EVALUAT & RES, OTRR, DCTDA, HFM-582, 1401  
ROCKVILLE PIKE/BETHESDA//MD/20852 (REPRINT); NATL NAVAL MED RES  
INST, IMMUNE CELL BIOL PROGRAM/BETHESDA//MD/20814; HENRY M JACKSON FDN  
ADV MIL MED, /ROCKVILLE//MD/; NATL NAVAL MED RES INST, HENRY M JACKSON  
FDN, HIV CLIN/BETHESDA//MD/; WALTER REED ARMY INST RES, DIV  
RETROVIROL/BETHESDA//MD/; BECTON DICKINSON IMMUNOCYTOMETRY SYST, /SAN  
JOSE//COSTA RICA/  
Journal: CYTOMETRY, 1997, V30, N1 (FEB 15), P1-9  
ISSN: 0196-4763 Publication date: 19970215  
Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC 605 THIRD AVE, NEW YORK,  
NY 10158-0012  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

7/3/62 (Item 4 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15356201 Genuine Article#: WB668 No. References: 46  
Title: ANTIGEN-PRESENTING CELL-DERIVED SIGNALS DETERMINE EXPRESSION LEVELS  
OF CD70 ON PRIMED T-CELLS  
Author(s): LENS SMA; BAARS PA; HOOIBRINK B; VANOERS MHJ; VANLIER RAW  
Corporate Source: NETHERLANDS RED CROSS, BLOOD TRANSFUS SERV, CENT LAB, DEPT  
CLIN VIROIMMUNOL, PLESMANLAAN 125/NL-1066 CX AMSTERDAM//NETHERLANDS/;  
NETHERLANDS RED CROSS, BLOOD TRANSFUS SERV, CENT LAB, DEPT CLIN  
VIROIMMUNOL/NL-1066 CX AMSTERDAM//NETHERLANDS/; UNIV AMSTERDAM, EXPT &  
CLIN IMMUNOL LAB/AMSTERDAM//NETHERLANDS/; UNIV AMSTERDAM, ACAD MED  
CTR, DEPT HAEMATOL/NL-1105 AZ AMSTERDAM//NETHERLANDS/  
Journal: IMMUNOLOGY, 1997, V90, N1 (JAN), P38-45  
ISSN: 0019-2805  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/63 (Item 5 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15337197 Genuine Article#: WA594 No. References: 26  
Title: SUBPOPULATIONS OF T-LYMPHOCYTES IN THE PERIPHERAL-BLOOD AND  
LYMPH-NODES OF INDIAN KALA-AZAR PATIENTS  
Author(s): GHOSH MK; GHOSH AK; ADDY M; NANDY A; GHOSE AC  
Corporate Source: BOSE INST, DEPT MICROBIOL, P-1-12, CIT SCHEME VII M/CALCUTTA  
700054/W BENGAL/INDIA/; BOSE INST, DEPT MICROBIOL/CALCUTTA 700054/W  
BENGAL/INDIA/; SCH TROP MED, DIV PARASITOL/CALCUTTA 700073/W

BENGAL/INDIA/  
Journal: MEDICAL MICROBIOLOGY AND IMMUNOLOGY, 1996, V185, N3 (NOV), P  
183-187  
ISSN: 0300-8584  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/64 (Item 6 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15240898 Genuine Article#: VU117 No. References: 46  
Title: COEXISTENCE OF TH1-TYPE AND TH2-TYPE CYTOKINE PROFILES  
IN ANTI-CD2 MONOCLONAL ANTIBODY-INDUCED TOLERANCE  
Author(s): KRIEGER NR; MOST D; BROMBERG JS; HOLM B; HUIE P; SIBLEY RK;  
DAFOE DC; ALFREY EJ  
Corporate Source: STANFORD UNIV,DEPT SURG,MSOB X316/STANFORD//CA/94305;  
STANFORD UNIV,DEPT SURG/STANFORD//CA/94305; STANFORD UNIV,DEPT  
PATHOL/STANFORD//CA/94305; UNIV MICHIGAN/ANN ARBOR//MI/48109  
Journal: TRANSPLANTATION, 1996, V62, N9 (NOV 15), P1285-1292  
ISSN: 0041-1337  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/65 (Item 7 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15203747 Genuine Article#: VQ581 No. References: 42  
Title: HIGH LYTIC ACTIVITY AGAINST HUMAN LEUKEMIA-CELLS AFTER ACTIVATION OF  
ALLOGENEIC NK CELLS BY IL-12 AND IL-2  
Author(s): UHAREK L; ZEIS M; GLASS B; STEINMANN J; DREGER P; GASSMANN W;  
SCHMITZ N; MULLERRUCHHOLTZ W  
Corporate Source: CHRISTIAN ALBRECHTS UNIV KIEL,DEPT INTERNAL  
MED2,CHEMNITZSTR 33/D-24116 KIEL//GERMANY//; CHRISTIAN ALBRECHTS UNIV  
KIEL,INST IMMUNOL/D-24116 KIEL//GERMANY/  
Journal: LEUKEMIA, 1996, V10, N11 (NOV), P1758-1764  
ISSN: 0887-6924  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/66 (Item 8 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15144487 Genuine Article#: VL923 No. References: 31  
Title: ENHANCED PRODUCTION OF IL4 BUT NOT OF IFN-GAMMA AND IL10 BY  
PERIPHERAL-BLOOD MONONUCLEAR-CELLS FROM ATOPIC CHILDREN IN RESPONSE TO  
CD2 PLUS CD28 STIMULATION  
Author(s): HOLTER W; EMMINGER W; MAJDIC O; KNAPP W  
Corporate Source: ST ANNA CHILDRENS HOSP,CCRI,KINDERSPITALGASSE 6/A-1090  
VIENNA//AUSTRIA//; UNIV VIENNA,VIRCC,INST IMMUNOL/VIENNA//AUSTRIA//;  
ALLERGIEAMBULATORIUM RENNWEG/VIENNA//AUSTRIA/  
Journal: PEDIATRIC ALLERGY AND IMMUNOLOGY, 1996, V7, N2 (MAY), P75-82  
ISSN: 0905-6157  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/67 (Item 9 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15101082 Genuine Article#: VJ254 No. References: 29  
Title: CLINICAL, HEMATOLOGIC, AND IMMUNOLOGICAL EFFECTS OF INTERLEUKIN-10  
IN HUMANS

Author(s): FUCHS AC; GRANOWITZ EV; SHAPIRO L; VANNIER E; LONNEMANN G; ANGEL  
JB; KENNEDY JS; RABSON AR; RADWANSKI E; AFFRIME MB; CUTLER DL; GRINT PC  
; DINARELLO CA  
Corporate Source: UNIV COLORADO, HLTH SCI CTR, DIV INFECT DIS, 4200 E 9TH  
AVE, B168/DENVER//CO/80262; TUFTS UNIV, SCH MED, DEPT MED/BOSTON//MA/02111  
; TUFTS UNIV NEW ENGLAND MED CTR/BOSTON//MA/02111; TUFTS UNIV, SCH  
MED, DEPT PATHOL/BOSTON//MA/02111; SCHERING PLOUGH CORP, RES  
INST/KENILWORTH//NJ/00000  
Journal: JOURNAL OF CLINICAL IMMUNOLOGY, 1996, V16, N5 (SEP), P291-303  
ISSN: 0271-9142  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/68 (Item 10 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

15068684 Genuine Article#: VG269 No. References: 45  
Title: SELECTIVE STIMULATION OF T-HELPER-2 CYTOKINE RESPONSES BY THE  
ANTI-PSORIASIS AGENT MONOMETHYLFUMARATE  
Author(s): DEJONG P; BEZEMER AC; ZOMERDIJK TPL; VANDEPOUWKRAAN T; OTTENHOFF  
THM; NIBBERING PH  
Corporate Source: UNIV LEIDEN HOSP, DEPT IMMUNOHEMATOL, BLDG 1, E3-Q, POB  
9600/NL-2300 RC LEIDEN//NETHERLANDS/; UNIV LEIDEN HOSP, BLOOD  
BANK/NL-2300 RC LEIDEN//NETHERLANDS/; UNIV LEIDEN HOSP, DEPT INFECT  
DIS/NL-2300 RC LEIDEN//NETHERLANDS/; NETHERLANDS RED CROSS, BLOOD  
TRANSFUS SERV, CENT LAB, DEPT AUTOIMMUNE DIS/AMSTERDAM//NETHERLANDS/;  
UNIV AMSTERDAM, CLIN & EXPT IMMUNOL LAB/AMSTERDAM//NETHERLANDS/  
Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1996, V26, N9 (SEP), P2067-2074  
ISSN: 0014-2980  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/69 (Item 11 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14939646 Genuine Article#: UY110 No. References: 38  
Title: FUNCTIONAL CD40 LIGAND EXPRESSION ON T-LYMPHOCYTES IN THE ABSENCE OF  
T-CELL RECEPTOR ENGAGEMENT - INVOLVEMENT IN INTERLEUKIN-2-INDUCED  
INTERLEUKIN-12 AND INTERFERON-GAMMA PRODUCTION  
Author(s): ARMANT M; ARMITAGE R; BOIANI N; DELESPESE G; SARFATI M  
Corporate Source: UNIV MONTREAL, NOTRE DAME HOSP, LOUIS CHARLES SIMARD RES  
CTR, ALLERGY RES LAB M4211K/MONTREAL/PQ H2L 4M1/CANADA/; UNIV  
MONTREAL, NOTRE DAME HOSP, LOUIS CHARLES SIMARD RES CTR, ALLERGY RES LAB  
M4211K/MONTREAL/PQ H2L 4M1/CANADA/; IMMUNEX RES & DEV  
CORP/SEATTLE//WA/98101  
Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1996, V26, N7 (JUL), P1430-1434  
ISSN: 0014-2980  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/70 (Item 12 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14754472 Genuine Article#: UJ333 No. References: 25  
Title: LONG-TERM OUTCOME OF IDIOPATHIC HYPEREOSINOPHILIC SYNDROME -  
TRANSITION TO EOSINOPHILIC GASTROENTERITIS AND CLONAL EXPANSION OF  
T-CELLS  
Author(s): BAUER S; SCHAUB N; DOMMANNSCHERRER CC; ZIMMERMANN DR; SIMON HW;  
WEGMANN W  
Corporate Source: KANTONSSPITAL BRUDERHOLZ, DEPT INTERNAL MED  
GASTROENTEROL/CH-4101 BRUDERHOLZ//SWITZERLAND/; KANTONSSPITAL  
BRUDERHOLZ, DEPT INTERNAL MED GASTROENTEROL/CH-4101

BRUDERHOLZ//SWITZERLAND/  
Journal: EUROPEAN JOURNAL OF GASTROENTEROLOGY & HEPATOLOGY, 1996, V8, N2 (FEB), P181-185  
ISSN: 0954-691X  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/71 (Item 13 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14327811 Genuine Article#: TD877 No. References: 33  
Title: LEACHING OF RA-223 FROM A MATRIX OF THE LOW-TEMPERATURE FORM OF THORIUM MONOPHOSPHATE  
Author(s): MERIGOU C; LEDU JF; GENET M; OUIILLON N; CHOPIN T  
Corporate Source: UNIV PARIS 11, INST PHYS NUCL, RADIOCHIM GRP, BP 01/F-91406 ORSAY//FRANCE//; RHONE POULENC RECH, CTR RECH AUBERVILLIERS/F-93308 AUBERVILLIERS//FRANCE/  
Journal: NEW JOURNAL OF CHEMISTRY, 1995, V19, N10 (OCT), P1037-1045  
ISSN: 1144-0546  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/72 (Item 14 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14291157 Genuine Article#: TB771 No. References: 36  
Title: SOLUBLE T-CELL RECEPTORS - DETECTION AND QUANTITATIVE ASSAY IN FLUID-PHASE VIA ELISA OR IMMUNO-PCR  
Author(s): SPERL J; PALIWAL V; RAMABHADHAN R; NOWAK B; ASKENASE PW  
Corporate Source: YALE UNIV, SCH MED, DEPT MED, ALLERGY & CLIN IMMUNOL SECT, 333 CEDAR ST, POB 20813/NEW HAVEN//CT/06520; YALE UNIV, SCH MED, DEPT MED, ALLERGY & CLIN IMMUNOL SECT/NEW HAVEN//CT/06520  
Journal: JOURNAL OF IMMUNOLOGICAL METHODS, 1995, V186, N2 (OCT 26), P 181-194  
ISSN: 0022-1759  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/73 (Item 15 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14101414 Genuine Article#: RP590 No. References: 37  
Title: THE ONTOGENY OF CLASS-REGULATION OF CD4(+) T-LYMPHOCYTE POPULATIONS  
Author(s): CARNEIRO J; STEWART J; COUTINHO A; COUTINHO G  
Corporate Source: INST PASTEUR, INST PASTEUR, 25 RUE DR ROUX/F-75724 PARIS 15//FRANCE/  
Journal: INTERNATIONAL IMMUNOLOGY, 1995, V7, N8 (AUG), P1265-1277  
ISSN: 0953-8178  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/74 (Item 16 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

14030438 Genuine Article#: RJ103 No. References: 84  
Title: LEUKOCYTE INFILTRATION IN ALLERGIC AIRWAY INFLAMMATION  
Author(s): LUKACS NW; STRIETER RM; KUNKEL SL  
Corporate Source: UNIV MICHIGAN, SCH MED, DEPT PATHOL, DIV PULM & CRIT CARE, 1301 CATHERINE/ANN ARBOR//MI/48109; UNIV MICHIGAN, SCH MED, DEPT INTERNAL MED/ANN ARBOR//MI/48109  
Journal: AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY, 1995

, V13, N1 (JUL), P1-6  
ISSN: 1044-1549  
Language: ENGLISH Document Type: REVIEW

7/3/75 (Item 17 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13919280 Genuine Article#: RB197 No. References: 49  
Title: COSTIMULATION WITH B7-1, IL-6, AND IL-12 IS SUFFICIENT FOR PRIMARY  
GENERATION OF MURINE ANTITUMOR CYTOLYTIC T-LYMPHOCYTES IN-VITRO  
Author(s): GAJEWSKI TF; RENAULD JC; VANPEL A; BOON T  
Corporate Source: LUDWIG INST CANC RES,BRUSSELS BRANCH,74 AVE  
HIPPOCRATE,UCL 7459/B-1200 BRUSSELS//BELGIUM/; LUDWIG INST CANC  
RES,BRUSSELS BRANCH/B-1200 BRUSSELS//BELGIUM/; UNIV CATHOLIQUE  
LOUVAIN,EXPTL MED UNIT/B-1200 BRUSSELS//BELGIUM/; UNIV CATHOLIQUE  
LOUVAIN,CELLULAR GENET UNIT/B-1200 BRUSSELS//BELGIUM/  
Journal: JOURNAL OF IMMUNOLOGY, 1995, V154, N11 (JUN 1), P5637-5648  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/76 (Item 18 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13893995 Genuine Article#: QY507 No. References: 47  
Title: LINKED IN-VIVO EXPRESSION OF SOLUBLE INTERLEUKIN-4 RECEPTOR AND  
INTERLEUKIN-4 IN MURINE SCHISTOSOMIASIS  
Author(s): FERNANDEZBOTRAN R; WYNN TA; HIENY S; CASPAR P; CHILTON PM; SHER  
A  
Corporate Source: UNIV LOUISVILLE,SCH MED,DEPT PATHOL,DIV  
IMMUNOPATHOL/LOUISVILLE//KY/40292; UNIV LOUISVILLE,SCH MED,DEPT  
MICROBIOL & IMMUNOL/LOUISVILLE//KY/40292; NIAID,PARASIT DIS LAB,IMMUNOL  
& CELL BIOL SECT/BETHESDA//MD/20892  
Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1995, V25, N3 (MAR), P649-656  
ISSN: 0014-2980  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/77 (Item 19 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13893477 Genuine Article#: QY617 No. References: 357  
Title: HODGKINS-DISEASE - A CYTOKINE-PRODUCING TUMOR - A REVIEW  
Author(s): GRUSS HJ; HERRMANN F; DREXLER HG  
Corporate Source: FREE UNIV BERLIN,KLINIKUM RUDOLF VIRCHOW,MAX DELBRUCK CTR  
MOLEC MED,ROBERT ROSSLE CANC CTR/D-13122 BERLIN//GERMANY/; MAX DELBRUCK  
CTR MOLEC MED/BERLIN//GERMANY/; GERMAN COLLECT MICROORGANISMS & CELL  
CULTURES/BRAUNSCHWEIG//GERMANY/; IMMUNEX RES & DEV  
CORP/SEATTLE//WA/98101  
Journal: CRITICAL REVIEWS IN ONCOGENESIS, 1994, V5, N5, P473-538  
ISSN: 0893-9675  
Language: ENGLISH Document Type: REVIEW (Abstract Available)

7/3/78 (Item 20 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13851389 Genuine Article#: QW901 No. References: 34  
Title: A RANDOMIZED, CONTROLLED TRIAL OF IL-10 IN HUMANS - INHIBITION OF  
INFLAMMATORY CYTOKINE PRODUCTION AND IMMUNE-RESPONSES

Author(s): CHERNOFF AE; GRANOWITZ EV; SHAPIRO L; VANNIER E; LONNEMANN G;  
ANGEL JB; KENNEDY JS; RABSON AR; WOLFF SM; DINARELLO CA  
Corporate Source: TUFTS UNIV NEW ENGLAND MED CTR, BOX 68, 750 WASHINGTON  
ST/BOSTON//MA/02111; TUFTS UNIV NEW ENGLAND MED CTR/BOSTON//MA/02111;  
TUFTS UNIV, SCH MED, DEPT MED, DIV GEOP MED & INFECT DIS/BOSTON//MA/02111;  
TUFTS UNIV, SCH MED, DEPT PATHOL, DIV CLIN IMMUNOL/BOSTON//MA/02111  
Journal: JOURNAL OF IMMUNOLOGY, 1995, V154, N10 (MAY 15), P5492-5499  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/79 (Item 21 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13831324 Genuine Article#: QU330 No. References: 21  
Title: ABSENCE OF HIGH-AFFINITY BINDING-SITES FOR INTERFERON-ALPHA/BETA IN  
VARIANT MURINE CD4(+) T-LYMPHOCYTES NOT EXPRESSING THE T-CELL ANTIGEN  
RECEPTOR  
Author(s): SHATA MT; FALTYNEK CR; LEWIS GK; KAMINLEWIS RM  
Corporate Source: UNIV MARYLAND, SCH MED, DEPT MICROBIOL & IMMUNOL, BRB  
13-009, 655 W BALTIMORE ST/BALTIMORE//MD/21201; UNIV MARYLAND, SCH  
MED, DEPT MICROBIOL & IMMUNOL/BALTIMORE//MD/21201; NCI, FREDERICK CANC  
RES FACIL, PROGRAM RESOURCES INC, BIOL CARCINOGENESIS & DEV  
PROGRAM/FREDERICK//MD/21701  
Journal: JOURNAL OF INTERFERON AND CYTOKINE RESEARCH, 1995, V15, N4 (APR)  
, P291-296  
ISSN: 1079-9907  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/80 (Item 22 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13778620 Genuine Article#: QP157 No. References: 29  
Title: INTERLEUKIN-4 AND INTERFERON-GAMMA PRODUCTION BY LEISHMANIA  
STIMULATED PERIPHERAL-BLOOD MONONUCLEAR-CELLS FROM NONEXPOSED  
INDIVIDUALS  
Author(s): KURTZHALS JAL; KEMP M; POULSEN LK; HANSEN MB; KHARAZMI A;  
THEANDER TG  
Corporate Source: RIGSHOSP, DEPT M7641, TAGENSVEJ 20/DK-2200 COPENHAGEN  
N//DENMARK//; UNIV COPENHAGEN, CTR MED PARASITOL/COPENHAGEN//DENMARK//;  
NATL UNIV HOSP, DEPT INFECT DIS/COPENHAGEN//DENMARK//; NATL UNIV HOSP  
COPENHAGEN, TTA, DEPT INTERNAL MED, MED ALLERGOL LAB/COPENHAGEN//DENMARK//;  
UNIV COPENHAGEN, INST MED MICROBIOL & IMMUNOL/COPENHAGEN//DENMARK/  
Journal: SCANDINAVIAN JOURNAL OF IMMUNOLOGY, 1995, V41, N4 (APR), P343-349  
ISSN: 0300-9475  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/81 (Item 23 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13693009 Genuine Article#: QH401 No. References: 21  
Title: HIGH IL-4 PRODUCTION IS A STABLE PHENOTYPE OF  
CD8(NEG)CD45RA(NEG)CD27(NEG) T-CELLS  
Author(s): SUNDERPLASSMANN R; MAJDIC O; KNAPP W; HOLTER W  
Corporate Source: UNIV VIENNA, VIENNA INT RES COOPERAT CTR, INST  
IMMUNOL, WAEHRINGER GUERTEL 18/VIENNA//AUSTRIA//; UNIV VIENNA, INST  
IMMUNOL/VIENNA//AUSTRIA/  
Journal: CELLULAR IMMUNOLOGY, 1995, V160, N2 (FEB), P309-313  
ISSN: 0008-8749  
Language: ENGLISH Document Type: NOTE (Abstract Available)

7/3/82 (Item 24 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13577541 Genuine Article#: PZ481 No. References: 34  
Title: SUBPOPULATIONS OF T-LYMPHOCYTES IN THE PERIPHERAL-BLOOD, DERMAL  
LESIONS AND LYMPH-NODES OF POST KALA-AZAR DERMAL LEISHMANIASIS PATIENTS  
Author(s): GHOSH MK; NANDY A; ADDY M; MAITRA TK; GHOSE AC  
Corporate Source: BOSE INST,DEPT MICROBIOL,P-1-12 CIT,SCHEME 7-M/CALCUTTA  
700054/W BENGAL/INDIA/; BOSE INST,DEPT MICROBIOL/CALCUTTA 700054/W  
BENGAL/INDIA/; SCH TROP MED,DIV PARASITOL/CALCUTTA/W BENGAL/INDIA/;  
KOTHARI MED CTR/CALCUTTA/W BENGAL/INDIA/  
Journal: SCANDINAVIAN JOURNAL OF IMMUNOLOGY, 1995, V41, N1 (JAN), P11-17  
ISSN: 0300-9475  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/83 (Item 25 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13531873 Genuine Article#: PV776 No. References: 52  
Title: THE HUMAN CARDIAC MAST-CELL - LOCALIZATION, ISOLATION, PHENOTYPE,  
AND FUNCTIONAL-CHARACTERIZATION  
Author(s): SPERR WR; BANKL HC; MUNDIGLER G; KLAPPACHER G; GROSSSCHMIDT K;  
AGIS H; SIMON P; LAUFER P; IMHOF M; RADASZKIEWICZ T; GLOGAR D; LECHNER  
K; VALENT P  
Corporate Source: UNIV VIENNA,DEPT INTERNAL MED 1,DIV HEMATOL &  
HEMOSTASEOL,WAEHRINGER GUERTEL 18-20/A-1090 VIENNA//AUSTRIA/; UNIV  
VIENNA,DEPT INTERNAL MED 1,DIV HEMATOL & HEMOSTASEOL/A-1090  
VIENNA//AUSTRIA/; UNIV VIENNA,DEPT INTERNAL MED 2,DIV CARDIOL/A-1090  
VIENNA//AUSTRIA/; UNIV VIENNA,DEPT SURG 2/A-1090 VIENNA//AUSTRIA/; UNIV  
VIENNA,DEPT PATHOL/A-1090 VIENNA//AUSTRIA/; UNIV VIENNA,DEPT  
HISTOL/A-1090 VIENNA//AUSTRIA/  
Journal: BLOOD, 1994, V84, N11 (DEC 1), P3876-3884  
ISSN: 0006-4971  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/84 (Item 26 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13516419 Genuine Article#: PU361 No. References: 67  
Title: COSTIMULATION BY PURIFIED INTERCELLULAR-ADHESION MOLECULE-1 AND  
LYMPHOCYTE FUNCTION-ASSOCIATED ANTIGEN-3 INDUCES DISTINCT  
PROLIFERATION, CYTOKINE AND CELL-SURFACE ANTIGEN PROFILES IN HUMAN  
NAIVE AND MEMORY CD4(+) T-CELLS  
Author(s): SEMNANI RT; NUTMAN TB; HOCHMAN P; SHAW S; VANSEVENTER GA  
Corporate Source: UNIV CHICAGO,DEPT PATHOL,DIV BIOL SCI,5841 S MARYLAND  
AVE,ROOM J541A,MC 1089/CHICAGO//IL/60637; UNIV CHICAGO,DEPT PATHOL,DIV  
BIOL SCI/CHICAGO//IL/60637; NIAID,PARASIT DIS LAB/BETHESDA//MD/20892;  
BIOGEN INC/CAMBRIDGE//MA/02142; NCI,EXPTL IMMUNOL  
BRANCH/BETHESDA//MD/20892  
Journal: JOURNAL OF EXPERIMENTAL MEDICINE, 1994, V180, N6 (DEC 1), P  
2125-2135  
ISSN: 0022-1007  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/85 (Item 27 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

13491763    Genuine Article#: PT301    No. References: 17  
 Title: POLYCLONAL B-CELL ACTIVATION-INDUCED BY HERPESVIRUS  
       SAIMIRI-TRANSFORMED HUMAN CD4(+) T-CELL CLONES - ROLE FOR MEMBRANE  
       TNF-ALPHA/TNF-ALPHA RECEPTORS AND CD2/CD58 INTERACTIONS  
 Author(s): DELPRETE G; DECARLI M; DELIOS MM; FLECKENSTEIN IM; FICKENSCHER H  
       ; FLECKENSTEIN B; ALMERIGOGNA F; ROMAGNANI S  
 Corporate Source: IST CLIN MED 3,VIALE MORGAGNI 85/I-50134 FLORENCE//ITALY/  
       ; UNIV FLORENCE,DEPT ALLERGOL & CLIN IMMUNOL/FLORENCE//ITALY//; UNIV  
       ERLANGEN NURNBERG,INST CLIN & MOLEC VIROL/ERLANGEN//GERMANY//; UNIV  
       PISA,DEPT INTERNAL MED/PISA//ITALY/  
 Journal: JOURNAL OF IMMUNOLOGY, 1994, V153, N11 (DEC 1), P4872-4879  
 ISSN: 0022-1767  
 Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

7/3/86        (Item 28 from file: 434)  
 DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
 (c) 1997 Inst for Sci Info. All rts. reserv.

13386469    Genuine Article#: PJ300    No. References: 43  
 Title: A 150-KDA MOLECULE OF MACROPHAGE MEMBRANE STIMULATES INTERLEUKIN-2  
       AND INTERFERON-GAMMA PRODUCTION AND PROLIFERATION OF OVALBUMIN-SPECIFIC  
       CD4+ T-CELLS  
 Author(s): AGREWALA JN; VINAY DS; JOSHI A; MISHRA GC  
 Corporate Source: INST MICROBIAL TECHNOL,POST BOX 1304,SECTOR  
       39-A/CHANDIGARH 160014//INDIA//; INST MICROBIAL TECHNOL/CHANDIGARH  
       160014//INDIA/  
 Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1994, V24, N9 (SEP), P2092-2097  
 ISSN: 0014-2980  
 Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

7/3/87        (Item 29 from file: 434)  
 DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
 (c) 1997 Inst for Sci Info. All rts. reserv.

13148923    Genuine Article#: NT243    No. References: 59  
 Title: INDUCTION OF ENERGY IN RESTING HUMAN T-LYMPHOCYTES BY IMMOBILIZED  
       ANTI-CD3 ANTIBODIES  
 Author(s): WOLF H; MULLER Y; SALMEN S; WILMANNS W; JUNG G  
 Corporate Source: KLIN HAMATOL,MARCHIONINISTR 15/D-81377 MUNICH//GERMANY//;  
       UNIV MUNICH,KLINIKUM GROSSHADERN,MED KLIN 3,RATIONALE IMMUNOTHERAPIE  
       LABOR/MUNICH//GERMANY//; GSF FORSCHUNGSZENTRUM UMWELT & GESUNDHEIT,INST  
       KLIN HAMATOL/MUNICH//GERMANY/  
 Journal: EUROPEAN JOURNAL OF IMMUNOLOGY, 1994, V24, N6 (JUN), P1410-1417  
 ISSN: 0014-2980  
 Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

7/3/88        (Item 30 from file: 434)  
 DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
 (c) 1997 Inst for Sci Info. All rts. reserv.

13114504    Genuine Article#: NQ732    No. References: 61  
 Title: TCR-DEPENDENT AND TCR-INDEPENDENT SIGNALING MECHANISMS  
       DIFFERENTIALLY REGULATE LYMPHOKINE GENE-EXPRESSION IN THE MURINE  
       T-HELPER CLONE D10.G4.1  
 Author(s): NAORA H; ALTIN JG; YOUNG IG  
 Corporate Source: AUSTRALIAN NATL UNIV,JOHN CURTIN SCH MED RES,DIV BIOCHEM  
       & MOLEC BIOL,GPO BOX 534/CANBERRA/ACT 2601/AUSTRALIA//; AUSTRALIAN NATL  
       UNIV,JOHN CURTIN SCH MED RES,DIV BIOCHEM & MOLEC BIOL/CANBERRA/ACT  
       2601/AUSTRALIA//; AUSTRALIAN NATL UNIV,JOHN CURTIN SCH MED RES,DIV CELL  
       BIOL/CANBERRA/ACT 2601/AUSTRALIA/  
 Journal: JOURNAL OF IMMUNOLOGY, 1994, V152, N12 (JUN 15), P5691-5702



ISSN: 0022-1767

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/89 (Item 31 from file: 434)

DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1997 Inst for Sci Info. All rts. reserv.

12711595 Genuine Article#: MH756 No. References: 31

Title: DIFFERENCE IN SIGNAL-TRANSDUCTION PATHWAY FOR IL-2 AND IL-4

PRODUCTION IN T-HELPER-1 AND T-HELPER-2 CELL CLONES IN RESPONSE TO ANTI-CD3

Author(s): TAMURA T; YANAGIDA T; NARIUCHI H

Corporate Source: UNIV TOKYO, INST MED SCI, DEPT ALLERGOL, 4-6-1

SHIROKANEDAI, MINATO KU/TOKYO 108//JAPAN/; SCI UNIV TOKYO, FAC PHARMACEUT SCI, DEPT PATHOPHYSIOL, SHINJUKU KU/TOKYO 162//JAPAN/

Journal: JOURNAL OF IMMUNOLOGY, 1993, V151, N11 (DEC 1), P6051-6061

ISSN: 0022-1767

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/90 (Item 32 from file: 434)

DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1997 Inst for Sci Info. All rts. reserv.

12684100 Genuine Article#: MF425 No. References: 28

Title: THYMIC STROMA-DERIVED T-CELL INHIBITORY FACTOR (TSTIF) .2. TSTIF

ACTS ON THE ANTIGEN-PRESENTING CELL TO INHIBIT ANTIGEN-STIMULATED T-CELL PROLIFERATION

Author(s): TAI XG; KITA Y; TOYOOKA K; HAMAOKA T; FUJIWARA H

Corporate Source: OSAKA UNIV, SCH MED, BIOMED RECH CTR, 2-2 YAMADA

OKA/SUITA/OSAKA 565/JAPAN/; OSAKA UNIV, SCH MED, BIOMED RECH CTR, 2-2 YAMADA OKA/SUITA/OSAKA 565/JAPAN/

Journal: THYMUS, 1993, V21, N4, P247-258

ISSN: 0165-6090

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/91 (Item 33 from file: 434)

DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1997 Inst for Sci Info. All rts. reserv.

12601257 Genuine Article#: LZ636 No. References: 46

Title: MURINE T-HELPER CELL-2 LYMPHOCYTES EXPRESS TYPE-I AND TYPE-II IL-1 RECEPTORS, BUT ONLY THE TYPE-I RECEPTOR MEDIATES COSTIMULATORY ACTIVITY

Author(s): MCKEAN DJ; PODZORSKI RP; BELL MP; NILSON AE; HUNTOON CJ; SLACK J ; DOWER SK; SIMS J

Corporate Source: MAYO CLIN & MAYO FDN, 321 GUGGENHEIM, 1ST AVE

SW/ROCHESTER//MN/55905; IMMUNEX RES & DEV CORP, DEPT MOLEC BIOL/SEATTLE//WA/98101; IMMUNEX RES & DEV CORP, DEPT BIOCHEM/SEATTLE//WA/98101

Journal: JOURNAL OF IMMUNOLOGY, 1993, V151, N7 (OCT 1), P3500-3510

ISSN: 0022-1767

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/92 (Item 34 from file: 434)

DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1997 Inst for Sci Info. All rts. reserv.

12344031 Genuine Article#: LD916 No. References: 61

Title: DIRECT EFFECTS OF IL-10 ON SUBSETS OF HUMAN CD4+ T-CELL CLONES AND RESTING T-CELLS - SPECIFIC-INHIBITION OF IL-2 PRODUCTION AND

PROLIFERATION

Author(s): MALEFYT RD; YSSEL H; DEVRIES JE

Corporate Source: DNAX RES INST MOLEC & CELLULAR BIOL INC, DEPT HUMAN  
IMMUNOL, 901 CALIF AVE/PALO ALTO//CA/94304  
Journal: JOURNAL OF IMMUNOLOGY, 1993, V150, N11 (JUN 1), P4754-4765  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/93 (Item 35 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

12318027 Genuine Article#: LB994 No. References: 109  
Title: ACCESSORY CELL-DERIVED SIGNALS REQUIRED FOR T-CELL ACTIVATION  
Author(s): JOHNSON JG; JENKINS MK  
Corporate Source: UNIV MINNESOTA, DEPT MICROBIOL, BOX 196 UMHC, 420 DELAWARE  
ST SE/MINNEAPOLIS//MN/55455; UNIV MINNESOTA, DEPT MICROBIOL, BOX 196  
UMHC, 420 DELAWARE ST SE/MINNEAPOLIS//MN/55455  
Journal: IMMUNOLOGIC RESEARCH, 1993, V12, N1, P48-64  
ISSN: 0257-277X  
Language: ENGLISH Document Type: REVIEW (Abstract Available)

7/3/94 (Item 36 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

12245480 Genuine Article#: KX321 No. References: 46  
Title: SEPARATION OF T-HELPER-1 CLONE CYTOLYSIS FROM PROLIFERATION AND  
LYMPHOKINE PRODUCTION USING ANALOG PEPTIDES  
Author(s): EVAVOLD BD; SLOANLANCASTER J; HSU BL; ALLEN PM  
Corporate Source: WASHINGTON UNIV, SCH MED, DEPT PATHOL, BOX 8118, 660 S  
EUCLID/ST LOUIS//MO/63110  
Journal: JOURNAL OF IMMUNOLOGY, 1993, V150, N8 (APR 15), P3131-3140  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/95 (Item 37 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11951319 Genuine Article#: JY926 No. References: 80  
Title: REGULATION OF INTERLEUKIN-4 PRODUCTION AND OF  
INTERLEUKIN-4-PRODUCING CELLS  
Author(s): HOLTER W  
Corporate Source: UNIV VIENNA, SFI, VIENNA INT COOPERAT CTR, INST  
IMMUNOL, BRUNNERSTR 59/A-1235 VIENNA//AUSTRIA/  
Journal: INTERNATIONAL ARCHIVES OF ALLERGY AND IMMUNOLOGY, 1992, V98, N4, P  
273-278  
ISSN: 1018-2438  
Language: ENGLISH Document Type: REVIEW (Abstract Available)

7/3/96 (Item 38 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11879652 Genuine Article#: JT982 No. References: 60  
Title: MATURATION-DEPENDENT AND DIFFERENTIATION-DEPENDENT RESPONSIVENESS OF  
HUMAN CD4+ T-HELPER SUBSETS  
Author(s): DEJONG R; BROUWER M; KUIPER HM; HOOIBRINK B; MIEDEMA F; VANLIER  
RAW  
Corporate Source: NETHERLANDS RED CROSS, BLOOD TRANSFUS SERV, CENT LAB, DEPT  
CLIN VIROIMMUNOL, POB 9406/1006 AK AMSTERDAM//NETHERLANDS//; NETHERLANDS  
RED CROSS, BLOOD TRANSFUS SERV, CENT LAB, DEPT CLIN VIROIMMUNOL, POB

9406/1006 AK AMSTERDAM//NETHERLANDS//; UNIV AMSTERDAM,EXPTL & CLIN  
IMMUNOL LAB/AMSTERDAM//NETHERLANDS/  
Journal: JOURNAL OF IMMUNOLOGY, 1992, V149, N8 (OCT 15), P2795-2802  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/97 (Item 39 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11879631 Genuine Article#: JT982 No. References: 53  
Title: IDENTIFICATION AND CHARACTERIZATION OF THE MURINE HOMOLOG OF CD22, A  
LYMPHOCYTE-B-RESTRICTED ADHESION MOLECULE  
Author(s): TORRES RM; LAW CL; SANTOSARGUMENTO L; KIRKHAM PA; GRABSTEIN K;  
PARKHOUSE RME; CLARK EA  
Corporate Source: UNIV WASHINGTON,DEPT MICROBIOL SC42/SEATTLE//WA/98195;  
UNIV WASHINGTON,DEPT MICROBIOL SC42/SEATTLE//WA/98195; NATL INST MED  
RES,DEPT IMMUNOL/LONDON NW7 1AA//ENGLAND//; INST ANIM  
HLTH/PIRBRIGHT//ENGLAND//; IMMUNEX CORP/SEATTLE//WA/00000  
Journal: JOURNAL OF IMMUNOLOGY, 1992, V149, N8 (OCT 15), P2641-2649  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/98 (Item 40 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11740157 Genuine Article#: JH232 No. References: 45  
Title: DIFFERENTIAL EXPRESSION OF 3 CD45 ALTERNATIVE STRUCTURES ON MURINE  
T-CELLS - EXON 6-DEPENDENT EPITOPE AS A MARKER FOR  
FUNCTIONAL-HETEROGENEITY OF CD4+ T-CELLS  
Author(s): NISHIMURA H; HATTORI S; ABE M; UEDA G; OKAMOTO H; TSURUI H;  
HIROSE S; SHIRAI T  
Corporate Source: JUNTENDO UNIV,SCH MED,DEPT PATHOL,2-1-1 HONGO,BUNKYO  
KU/TOKYO 113//JAPAN//; JUNTENDO UNIV,SCH MED,DEPT PATHOL,2-1-1  
HONGO,BUNKYO KU/TOKYO 113//JAPAN/  
Journal: INTERNATIONAL IMMUNOLOGY, 1992, V4, N8 (AUG), P923-930  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/99 (Item 41 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11582997 Genuine Article#: HU686 No. References: 41  
Title: YERSINIA-ENTEROCOLITICA ACTIVATES A T-HELPER TYPE-1-LIKE T-CELL  
SUBSET IN REACTIVE ARTHRITIS  
Author(s): LAHESMAA R; YSSEL H; BATSFORD S; LUUKKAINEN R; MOTTONEN T;  
STEINMAN L; PELTZ G  
Corporate Source: STANFORD UNIV,NEUROL SCI MED CTR/STANFORD//CA/94305; DNAX  
RES INST MOLEC & CELLULAR BIOL INC,DEPT HUMAN IMMUNOL/PALO  
ALTO//CA/94305; SATALINNA HOSP/SF-29200 HARJAVALTA//FINLAND//; TURKU  
UNIV HOSP/SF-20520 TURKU//FINLAND//; UNIV FREIBURG,INST MED  
MICROBIOL,DEPT IMMUNOL/W-7800 FREIBURG//GERMANY//; SYNTEX RES,DEPT  
INFLAMMAT BIOL/PALO ALTO//CA/94303  
Journal: JOURNAL OF IMMUNOLOGY, 1992, V148, N10 (MAY 15), P3079-3085  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

7/3/100 (Item 42 from file: 434)  
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11514449    Genuine Article#: HP030    No. References: 48  
Title: MEMORY AND ANERGY - CHALLENGES TO TRADITIONAL MODELS OF LYMPHOCYTE-T  
DIFFERENTIATION  
Author(s): JENKINS MK; MILLER RA  
Corporate Source: UNIV MINNESOTA, DEPT MICROBIOL/MINNEAPOLIS//MN/55455; VET  
ADM MED CTR/ANN ARBOR//MI/48109; UNIV MICHIGAN, DEPT PATHOL/ANN  
ARBOR//MI/48109; UNIV MICHIGAN, INST GERONTOL/ANN ARBOR//MI/48109  
Journal: FASEB JOURNAL, 1992, V6, N7 (APR), P2428-2433  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

7/3/101        (Item 43 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11363986    Genuine Article#: HD975    No. References: 41  
Title: IL-10 INHIBITS HUMAN T-CELL PROLIFERATION AND IL-2 PRODUCTION  
Author(s): TAGA K; TOSATO G  
Corporate Source: US FDA, CTR BIOL EVALUAT & RES, DIV CYTOKINE BIOL, BLDG  
29, ROOM 505/BETHESDA//MD/20892  
Journal: JOURNAL OF IMMUNOLOGY, 1992, V148, N4 (FEB 15), P1143-1148  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

7/3/102        (Item 44 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11265179    Genuine Article#: GW090    No. References: 26  
Title: **TH1** LYMPHOKINE PRODUCTION PROFILES OF NICKEL-SPECIFIC CD4+  
LYMPHOCYTE-T CLONES FROM NICKEL CONTACT ALLERGIC AND NONALLERGIC  
INDIVIDUALS  
Author(s): KAPSENBERG ML; WIERENGA EA; STIEKEMA FEM; TIGGELMAN AMBC; BOS JD  
Corporate Source: UNIV AMSTERDAM, ACAD MED CTR, CELL BIOL & HISTOL  
LAB, MEIBERGDREEF 15/1105 AZ AMSTERDAM//NETHERLANDS/; UNIV  
AMSTERDAM, ACAD MED CTR, DEPT DERMATOL/1105 AZ AMSTERDAM//NETHERLANDS/  
Journal: JOURNAL OF INVESTIGATIVE DERMATOLOGY, 1992, V98, N1 (JAN), P59-63  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

7/3/103        (Item 45 from file: 434)  
DIALOG(R) File 434: Scisearch(R) Cited Ref Sci  
(c) 1997 Inst for Sci Info. All rts. reserv.

11152610    Genuine Article#: GL580    No. References: 50  
Title: HUMAN ATOPEN-SPECIFIC TYPE-1 AND TYPE-2 T-HELPER CELL CLONES  
Author(s): WIERENGA EA; SNOEK M; JANSSEN HM; BOS JD; VANLIER RAW; KAPSENBERG  
ML  
Corporate Source: UNIV AMSTERDAM, ACAD MED CTR, DEPT CELL BIOL &  
HISTOL, MEIBERGDREEF 15/1105 AZ AMSTERDAM//NETHERLANDS/; UNIV  
AMSTERDAM, ACAD MED CTR, DEPT PULM/1105 AZ AMSTERDAM//NETHERLANDS/; UNIV  
AMSTERDAM, ACAD MED CTR, DEPT DERMATOL/1105 AZ AMSTERDAM//NETHERLANDS/;  
NETHERLANDS RED CROSS, BLOOD TRANSFUS SERV, CENT  
LAB/AMSTERDAM//NETHERLANDS/  
Journal: JOURNAL OF IMMUNOLOGY, 1991, V147, N9, P2942-2949  
Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

7/3/104        (Item 1 from file: 351)  
DIALOG(R) File 351: DERWENT WPI  
(c) 1997 Derwent Info Ltd. All rts. reserv.

000878794  
WPI Acc No: 72-38781T/197224  
Metal-phosphine or -arsine complexes as luminescent -

(fluorescent)materials - using light of 3000-4000 angstroms for excit  
Patent Assignee: UNIV TEMPLE (UTEM )  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Main IPC Week  
US 3666675 A 197224 B

Priority Applications (No Type Date): US 704749 A 19700121  
? ds

Set	Items	Description
S1	27951	TH1 OR (TH(W)1) OR TH2 OR TH3 OR (TH(W) (2 OR 3))
S2	1228	S1 AND MITOGEN?
S3	40	S2 AND EXPAND?
S4	20	RD (unique items)
S5	0	S2 AND ANTICD?
S6	212	S1 AND CD2
S7	104	RD (unique items)

?  
PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES  
? t s7/9/25,46,89

7/9/25 (Item 25 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1997 BIOSIS. All rts. reserv.

10436487 BIOSIS Number: 96036487

DIRECT EFFECTS OF IL-10 ON SUBSETS OF HUMAN CD4 POSITIVE T CELL CLONES  
AND RESTING T CELLS SPECIFIC INHIBITION OF IL-2 PRODUCTION AND  
PROLIFERATION

DE WAAL MALEFYT R; YSSEL H; DE VRIES J E  
HUMAN IMMUNOL. DEP., DNAX RES. INST., 901 CALIFORNIA AVE., PALO ALTO, CA  
94304-1104.

J IMMUNOL 150 (11). 1993. 4754-4765. CODEN: JOIMA

Full Journal Title: Journal of Immunology

Language: ENGLISH

The direct effects of IL-10 on the proliferation and lymphokine production of human peripheral blood T cells and CD4+ T cell clones representing the Th0, Th1-like, and Th2-like Th cell subsets were investigated in the absence of professional APC. IL-10 partially inhibited the proliferative responses of CD4+ human T cell clones induced by anti-CD2 or anti-CD3 mAb cross-linked on CD32 (Fc.gamma.RII)-transfected mouse L cells. Transfection of ICAM-1 or LFA-3 in CD32+ L cells resulted in enhanced proliferative responses of CD4+ T cell clones after activation by anti-CD3 mAb, whereas transfection of B7 in CD32+ L cells enhanced proliferative responses of CD4+ T cell clones after activation by anti-CD2 mAb. In addition, B7 expression on CD32+ L cells was required for activation of small resting T cells by anti-CD3 or anti-CD2 mAb. IL-10 inhibited the proliferation of T cell clones induced by anti-CD2 or anti-CD3 mAb on CD32+ L cells expressing these accessory molecules, indicating that interactions of LFA-3, ICAM-1, and B7 with their ligands on T cells did not overcome the inhibitory effects of IL-10. Inhibition of proliferation of T cell clones by IL-10 was in all instances completely neutralized by relatively low concentrations of IL-2, whereas IL-4 was ineffective. IL-10 did not affect the expression of the TCR/CD3 complex, CD2, LFA-1, CD28, or IL-2R .alpha.- or .beta.-chains, nor did it inhibit the induction of the latter two molecules on T cells after activation. Inhibition of proliferation was found to be the result of specific inhibition of IL-2 production by the responding T cell subsets, which occurred at the mRNA level. The production and mRNA levels of IL-4, IL-5, IFN-.gamma., and granulocyte/macrophage-CSF were not affected by IL-10. Taken together, these results indicate that IL-10/IL-10R interaction on CD4+ T cell clones and peripheral blood T cells results in signaling pathways that specifically interfere with activation processes

leading to IL-2 production. These direct inhibitory effects on IL-2 production by activated T cells may contribute to the general immunosuppressive activities of IL-10.

Descriptors/Keywords: INTERLEUKIN-10 RECEPTOR INTERLEUKIN-2 PERIPHERAL BLOOD T CELL SIGNALLING PATHWAY

Concept Codes:

- \*02508 Cytology and Cytochemistry-Human
- \*10506 Biophysics-Molecular Properties and Macromolecules
- \*10508 Biophysics-Membrane Phenomena
- \*13002 Metabolism-General Metabolism; Metabolic Pathways
- \*13012 Metabolism-Proteins, Peptides and Amino Acids
- \*15004 Blood, Blood-Forming Organs and Body Fluids-Blood Cell Studies
- \*15008 Blood, Blood-Forming Organs and Body Fluids-Lymphatic Tissue and Reticuloendothelial System
- \*17002 Endocrine System-General
- \*25508 Developmental Biology-Embryology-Morphogenesis, General
- 10064 Biochemical Studies-Proteins, Peptides and Amino Acids

Biosystematic Codes:

86215 Hominidae

Super Taxa:

Animals; Chordates; Vertebrates; Mammals; Primates; Humans

7/9/46 (Item 9 from file: 76)

DIALOG(R) File 76: Life Sciences Collection

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01655656 2882411

Development of human **Th1** and **Th2** cytokine responses: The cytokine production profile of T cells is dictated by the primary in vitro stimulus.

van der Pouw Kraan, T.; de Jong, R.; Aarden, L.

Cent. Lab. Netherlands Red Cross Blood Transfus. Serv. (CLB), Plesmanlaan 125, NL-1066 CX, Amsterdam, Netherlands

EUR. J. IMMUNOL. vol. 23, no. 1, pp. 1-5 (1993.)

ISSN: 0014-2980

DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH

SUBFILE: Immunology Abstracts

Regulation of interleukin (IL)-4-production, but not IL-2 production, was found to be quite different in either freshly isolated T cells or T cell clones. Both fresh T cells and T helper 2-like clones produced IL-4 when stimulated with anti-**CD2** in combination with anti-**CD28**. However, whereas T cell clones showed enhanced IL-4 production when phorbol 12-myristate 13-acetate (PMA) was used in addition to anti-**CD2** and anti-**CD28**, IL-4 production by fresh T cells was inhibited by the presence of PMA. Our data show that the capacity of cultured T cells to produce IL-4 is determined and fixed during the first 2-3 days of stimulation.

DESCRIPTORS: lymphocytes T; helper cells; development; cytokines; production; man; lymphokines

SECTION HEADING: 06756 --Function

7/9/89 (Item 31 from file: 434)

DIALOG(R) File 434: Scisearch(R) Cited Ref Sci

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12711595 Genuine Article#: MH756 Number of References: 31

Title: DIFFERENCE IN SIGNAL-TRANSDUCTION PATHWAY FOR IL-2 AND IL-4

PRODUCTION IN T-HELPER-1 AND T-HELPER-2 CELL CLONES IN RESPONSE TO ANTI-**CD3**

Author(s): TAMURA T; YANAGIDA T; NARIUCHI H

Corporate Source: UNIV TOKYO, INST MED SCI, DEPT ALLERGOL, 4-6-1

SHIROKANEDAI, MINATO KU/TOKYO 108//JAPAN/; SCI UNIV TOKYO, FAC PHARMACEUT

SCI,DEPT PATHOPHYSIOL,SHINJUKU KU/TOKYO 162//JAPAN/  
Journal: JOURNAL OF IMMUNOLOGY, 1993, V151, N11 (DEC 1), P6051-6061  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE  
Geographic Location: JAPAN  
Subfile: SciSearch; CC LIFE--Current Contents, Life Sciences  
Journal Subject Category: IMMUNOLOGY

Abstract: To elucidate **Th2** cell clone activation mechanism through TCR-CD3 complex, we examined the reactivity of **Th2** cell clones to soluble anti-CD3 in the absence of accessory cells or costimulator. The soluble anti-CD3 stimulated IL-4 production of **Th2** cell clones as efficiently as specific Ag. IL-4 production of **Th2** cell clones was consistent with the elevation of intracellular free  $Ca^{2+}$  concentration ( $[Ca^{2+}]_i$ ). The elevation was slow and sustained but occurred consistently after the anti-CD3 stimulation in all **Th2** cell clones tested. The  $[Ca^{2+}]_i$  elevation appeared to depend on  $Ca^{2+}$  influx because it could not be observed in  $Ca^{2+}$ -free medium. Several chemicals such as cholera toxin, neomycin, and herbimycin A, which have been shown to block phosphatidylinositol-4,5-bisphosphate (PIP2) breakdown pathway or protein tyrosine kinase activation, exerted no effect on the IL-4 production. In accordance with these findings, neither PIP2 breakdown nor protein tyrosine phosphorylation was observed in **Th2** cell clones stimulated with anti-CD3. The inclusion of anti-CD4 in culture and the depletion of protein kinase C (PKC) did not affect IL-4 production of **Th2** cell clones either. These findings support a hypothesis that **Th2** cell clones use a signaling pathway for IL-4 production that is independent of protein tyrosine kinase, PIP2 breakdown or PKC, and that the  $[Ca^{2+}]_i$  elevation is the only pathway common to an IL-2 production of **Th1** cell subset.

Identifiers--KeyWords Plus: T3-ANTIGEN RECEPTOR COMPLEX;  
TYROSINE-PROTEIN-KINASE; MONOCLONAL-ANTIBODY; T-CELLS; ANTIGEN  
RECEPTOR; **TH2** CLONES; ACTIVATION; PHOSPHORYLATION; ASSOCIATION;  
CALCIUM

Research Fronts: 91-1745 002 (CD45 PROTEIN TYROSINE PHOSPHATASE; T-CELL  
ANTIGEN RECEPTOR SIGNAL TRANSDUCTION FUNCTION; PHOSPHOTYROSINE KINASE  
P56LCK)

91-6704 002 (T-CELL ACTIVATION VIA THE T-CELL RECEPTOR; DIFFERENTIAL  
REGULATION; **CD2** SURFACE EXPRESSION)

91-1274 001 (GAMMA-DELTA T-CELLS; INTESTINAL INTRAEPITHELIAL  
LYMPHOCYTES; HEAT-SHOCK PROTEINS; RECOGNITION OF MYCOBACTERIAL  
ANTIGENS; LIGAND SPECIFICITY)

91-2003 001 (INOSITOL 1,4,5-TRISPHOSPHATE RECEPTOR; CYTOPLASMIC CALCIUM  
OSCILLATIONS; INTRACELLULAR  $Ca^{2+}$  POOLS)

91-3023 001 (REGULATION OF MURINE IGE RESPONSES; CD4+ T-CELL SUBSETS  
INVIVO; CYTOKINE SECRETION PHENOTYPES; LYMPHOKINE PRODUCTION IN MICE;  
IMMUNE FUNCTION)

91-4842 001 (T-CELL RECEPTOR EXPRESSION; MURINE THYMUS; ANTI-CD4  
ANTIBODY)

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HSI ED, 1989, V264, P836, J BIOL CHEM  
IMBODEN JB, 1985, V6, P328, IMMUNOL TODAY  
IMBODEN JB, 1985, V161, P446, J EXP MED  
JUNE CH, 1990, V87, P7722, P NATL ACAD SCI USA  
KAKIUCHI T, 1988, V141, P3278, J IMMUNOL  
KAWAKAMI K, 1992, V22, P85, EUR J IMMUNOL  
KAYE J, 1983, V158, P836, J EXP MED